U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

SEARCH REQUEST FORM

Requestor's Name: John D. Ulm

Serial Number: 08/794,795

Date: 9-10-98 Phone: 308-4008 Art Unit: 1646

10B15

Search Topic:
Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevent citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevent claim(s).

Please search SEQ ID NO: 6 of 08/794,795 for interferences only.

Approved
Paula Hutzell

Special
Please Rush
Lila Feisee

STAFF USE ONLY

Date completed: 9/11
Searcher: DB 308-4292
Terminal time: 5
Elapsed time: Prep 3
CPU time:
Total time:
Number of Searches:
Number of Databases: 4

Search Site
- ___ STIC
- ✓ CM-1
- ___ Pre-S

Type of Search
- 1 N.A. Sequence
- 1 A.A. Sequence
- ___ Structure
- ___ Bibliographic

Vendors
- ___ IG
- ___ STN
- ___ Dialog
- ___ APS
- ___ Geninfo
- ___ SDC
- ___ DARC/Questel
- ✓ Other mySeq

PTO-1590 (9-90)

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******************************************************************************
  MPSRCH (TM)
******************************************************************************
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Release 3.1A John F. Collins, Biocomputing Research Unit.


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MPsrch_nn   n.a. - n.a. database search, using Smith-Waterman algorithm

Run on:          Fri Sep 11 06:57:38 1998; MasPar time 61.54 Seconds
                                           1182.505 Million cell updates/sec
Tabular output not generated.

Title:           >US-08-794-795-5
Description:     (1-1560) from US08794795.seq
Perfect Score:   1560
N.A. Sequence:        1 ATGAGAAATAAGAAAATTCT..........CAGGCGTGGAGTGCAGCGTC 1560
    Comp:               TACTCTTTATTCTTTTAAGA..........GTCCGCACCTCACGTCGCAG

Scoring table:   TABLE default
                 Gap 6

Nmatch  STD :    Dbase 0;  Query 0

Searched:        88822 seqs, 23323279 bases x 2

Post-processing: Minimum Match 0%
                 Listing first 45 summaries

Database:        n-issued
                   1:5_COMB 2:PCT9_COMB 3:backfiles1

Statistics:      Mean 8.943;  Variance 5.183;  scale 1.726
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description	Pred. No.
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c	2	133	8.5	7218	1	US-08-232-	Sequence 14, Applicati	1.70e-72
	3	39	2.5	215	1	US-08-238-	Sequence 5, Applicatio	1.15e-09
	4	37	2.4	1367	2	PCT-US96-0	Sequence 3, Applicatio	1.72e-08
	5	37	2.4	1367	1	US-08-453-	Sequence 3, Applicatio	1.72e-08
	6	37	2.4	1839	2	PCT-US96-0	Sequence 1, Applicatio	1.72e-08
	7	37	2.4	2028	1	US-08-453-	Sequence 1, Applicatio	1.72e-08
	8	37	2.4	2028	2	PCT-US96-0	Sequence 1, Applicatio	1.72e-08
	9	37	2.4	2037	1	US-08-154-	Sequence 1, Applicatio	1.72e-08
	10	36	2.3	1588	3	5510466-3	Patent No. 5510466.	6.57e-08
	11	35	2.2	1196	1	US-08-167-	Sequence 5, Applicatio	2.48e-07
	12	35	2.2	1807	3	5510466-1	Patent No. 5510466.	2.48e-07
	13	33	2.1	186	1	US-07-972-	Sequence 80, Applicati	3.41e-06
c	14	33	2.1	215	1	US-08-238-	Sequence 5, Applicatio	3.41e-06
	15	32	2.1	1416	1	US-07-621-	Sequence 1, Applicatio	1.24e-05
	16	33	2.1	7218	1	US-08-232-	Sequence 14, Applicati	3.41e-06
	17	31	2.0	123	1	US-07-609-	Sequence 58, Applicati	4.45e-05
	18	31	2.0	169	1	US-07-972-	Sequence 78, Applicati	4.45e-05
	19	29	1.9	2285	1	US-08-477-	Sequence 9, Applicatio	5.49e-04
	20	28	1.8	216	1	US-07-972-	Sequence 46, Applicati	1.88e-03
	21	28	1.8	3394	1	US-08-159-	Sequence 4, Applicatio	1.88e-03
	22	28	1.8	4031	1	US-08-159-	Sequence 1, Applicatio	1.88e-03
	23	26	1.7	105	1	US-07-865-	Sequence 13, Applicati	2.10e-02
	24	26	1.7	108	1	US-07-972-	Sequence 30, Applicati	2.10e-02
	25	27	1.7	186	1	US-07-609-	Sequence 62, Applicati	6.35e-03
	26	27	1.7	186	1	US-08-175-	Sequence 66, Applicati	6.35e-03
	27	27	1.7	226	1	US-08-175-	Sequence 63, Applicati	6.35e-03
	28	27	1.7	4360	1	US-08-470-	Sequence 1, Applicatio	6.35e-03
	29	25	1.6	74	2	PCT-US95-1	Sequence 100, Applicat	6.82e-02
	30	25	1.6	81	2	PCT-US95-1	Sequence 98, Applicati	6.82e-02
c	31	25	1.6	81	2	PCT-US95-1	Sequence 92, Applicati	6.82e-02
c	32	25	1.6	82	2	PCT-US95-1	Sequence 97, Applicati	6.82e-02
	33	25	1.6	242	1	US-08-273-	Sequence 1, Applicatio	6.82e-02
	34	23	1.5	65	1	US-08-471-	Sequence 145, Applicat	6.72e-01
c	35	24	1.5	66	1	US-08-471-	Sequence 144, Applicat	2.17e-01
c	36	24	1.5	69	1	US-08-471-	Sequence 142, Applicat	2.17e-01
	37	24	1.5	74	2	PCT-US95-1	Sequence 94, Applicati	2.17e-01
c	38	24	1.5	74	2	PCT-US95-1	Sequence 94, Applicati	2.17e-01
	39	24	1.5	75	2	PCT-US95-1	Sequence 99, Applicati	2.17e-01
c	40	24	1.5	75	2	PCT-US95-1	Sequence 99, Applicati	2.17e-01
	41	24	1.5	81	2	PCT-US95-1	Sequence 92, Applicati	2.17e-01
	42	24	1.5	82	2	PCT-US95-1	Sequence 97, Applicati	2.17e-01
	43	24	1.5	162	1	US-07-972-	Sequence 34, Applicati	2.17e-01
	44	24	1.5	162	1	US-07-972-	Sequence 36, Applicati	2.17e-01
c	45	24	1.5	506	1	US-08-253-	Sequence 61, Applicati	2.17e-01

ALIGNMENTS

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RESULT    1
ID   US-08-392-367B-1 STANDARD; DNA; UNC; 1868 BP.
AC   xxxxxx
DT
DE   Sequence 1, Application US/08392367B
CC   Sequence 1, Application US/08392367B
CC   Patent No. 5691197
CC    GENERAL INFORMATION:
CC      APPLICANT:  Tryggvason, Karl
CC      APPLICANT:  Elomaa, Outi
CC      APPLICANT:  Kangas, Maarit
CC      TITLE OF INVENTION:  An Insolated DNA Sequence For a
CC   Patent No. 5691197
CC      TITLE OF INVENTION:  No. 5691197el Macrophage Receptor with
CC      TITLE OF INVENTION:  a Collagenous Domain and the
CC      TITLE OF INVENTION:  Polypeptide Chain Encoded by
CC      TITLE OF INVENTION:  such a Sequence
CC      NUMBER OF SEQUENCES:  2
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Fay, Sharpe, Beall, Fagan,
CC        ADDRESSEE:  Minnich & McKee
CC        STREET:  1100 Superior Avenue
CC        STREET:  Suite 700
CC        CITY:  Cleveland
CC        STATE:  Ohio
CC        COUNTRY:  U.S.A.
CC        ZIP:  44114-2518
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Diskette, 3.50 inch,
CC        MEDIUM TYPE:  720  Kb storable
CC        COMPUTER:  IBM PS/2, Model 35 SX
CC        OPERATING SYSTEM:  DOS 5.0
CC        SOFTWARE:  Word Perfect 5.1
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/392,367B
CC        FILING DATE:
CC        CLASSIFICATION:  435
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Minnich, Richard J.
CC        REGISTRATION NUMBER:  24,175
CC        REFERENCE/DOCKET NUMBER:  TRV 2 009
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (216) 861-5582
CC        TELEFAX:  (216) 241-1666
```

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CC       TELEX:  (216) 980162
CC    INFORMATION FOR SEQ ID NO:  1:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  1868 base pairs
CC        TYPE:  Nucleic acid
CC        STRANDEDNESS:  Single
CC        TOPOLOGY:  Linear
CC      MOLECULE TYPE:  Nucleotide-genomic DNA
CC      HYPOTHETICAL:  No. 5691197 relevant
CC      ANTI-SENSE:  No. 5691197 relevant
SQ   SEQUENCE 1868 BP; 524 A; 433 C; 576 G; 335 T; 0 OTHER.

  Query Match          42.7%;  Score 666;  DB 1;  Length 1868;
  Best Local Similarity  75.1%;  Pred. No. 0.00e+00;
  Matches  1110;  Conservative    0;  Mismatches 354;  Indels  15;  Gaps   6;

Db    247 ATGGAGACCTTCGAAATCAATGATCCAGTGCCCAAGAAGAGAAATGGGGGGACCTTCTGC 306
Qy     76 ATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAACTTCTCC 135

Db    307 ATGGCAGTCATGGCCATCCACCTGATCCTGCTCACGGCAGGTACTGCACTGCTGCTGATT 366
Qy    136 CTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCGCTGGCGCTGGGCTGCTGGTGGTC 195

Db    367 CAAGTTCTCAATCTGCAGGAGCAGCTCCAGATGCTAGAGATGTGCTGTGGCAATGGATCA 426
Qy    196 CAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCCTGGAGATGTATTTCCTCAATGACACT 255

Db    427 CTAGCTATCGAGGACAAGCCCTTCTTCTC---GCTGCAGTGGGCAC--CCAAAACA-CAC 480
Qy    256 CTGGCGGCTGAGGACAGCCCGTCCTTCTCCTTGCTGCAGTCAGCACACCCTGGAGAACAC 315

Db    481 CTGGTACCTAGAGCACAGGGGCTGCAAGCCTTGCAGGCCCAGCTCAGCTGGGTCCATACC 540
Qy    316 CTGGCTCAGGGTGCATCGAGGCTGCAAGTCCTGCAGGCCCAACTCACCTGGGTCCGCGTC 375

Db    541 AGCCAGGAGCAACTCCGTCAGCAGTTCAACAACCTCACTCAAAATCCAGAGTTGTTCCAG 600
Qy    376 AGCCATGAGCACTTGCTGCAGCGGGTAGACAACTTCACTCAGAACCCAGGGATGTTCAGA 435

Db    601 ATTAAAGGTGAACGAGGCTCTCCAGGTC--CAA------AAGGGGCCCCGGGTGCT-CCT 651
Qy    436 ATCAAAGGTGAACAAGGCGCCCCAGGTCTTCAAGGTCACAAGGGGGCCATGGGCATGCCT 495

Db    652 GGAATCCCCGGGCTGCCTGGGCCAGCTGCTGAGAAGGGAGAAAAGGGGGCTGCAGGTCGT 711
Qy    496 GGTGCCCCTGGCCCGCCGGGACCACCTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGA 555

Db    712 GATGGAACCCCAGGTGTCCAAGGACCCCAGGGCCCACCAGGCAGCAAGGGAGAGGCAGGC 771
Qy    556 GATGGAGCAACAGGCCCCTCGGGACCCCAAGGCCCACCGGGAGTCAAGGGAGAGGCGGGC 615

Db    772 CTCCAGGGACTTACGGGTGCACCAGGGAAGCAAGGAGCAACTGGTGCTCCAGGACCTCGA 831
Qy    616 CTCCAAGGACCCCAGGGTGCTCCAGGGAAGCAAGGAGCCACTGGCACCCCAGGACCCCAA 675

Db    832 GGAGAGAAGGGCAGCAAAGGTGACATAGGTCTCACTGGCCCCAAGGGGGAACATGGCACC 891
Qy    676 GGAGAGAAGGGCAGCAAAGGCGATGGGGGTCTCATTGGCCCAAAAGGGGAAACTGGAACT 735

Db    892 AAGGGAGACAAAGGGGACCTAGGCCTTCCAGGAAACAAAGGGGACATGGGCATGAAGGGA 951
Qy    736 AAGGGAGAGAAAGGAGACCTGGGTCTCCCAGGAAGCAAAGGGGACAGGGGCATGAAAGGA 795

Db    952 GACACGGGGCCCATGGGGTCCCCTGGAGCTCAGGGAGGTAAAGGTGATGCTGGAAAACCA 1011
Qy    796 GATGCAGGGGTCATGGGGCCTCCTGGAGCCCAGGGGAGTAAAGGTGACTTCGGGAGGCCA 855

Db   1012 GGCCTACCAGGTTTGGCTGGATCTCCAGGAGTCAAAGGTGACCAAGGAAAACCTGGAGTG 1071
Qy    856 GGCCCACCAGGTTTGGCTGGTTTTCCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTG 915

Db   1072 CAGGGTGTTCCAGGCCCTCAAGGTGCACCAGGACTTTCAGGTGCCAAGGGTGAGCCAGGA 1131
Qy    916 CAGGGTGTTCCGGGCCCTCCTGGTGCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGC 975

Db   1132 CGCACTGGTCTTCCTGGGCCAGCAGGACCCCCGGGAATTGCTGGGAATCCAGGGATTGCA 1191
Qy    976 AGTGCTGGCTCCCCTGGGCGAGCAGGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACA 1035

Db   1192 GGTGTGAAAGGAAGCAAGGGTGACACAGGAATTCAAGGACAGAAAGGCACAAAAGGAGAA 1251
Qy   1036 GGCCTGAAAGGAAGCAAAGGGGACACAGGACTTCAAGGACAGCAAGGAAGAAAAGGAGAA 1095

Db   1252 TCAGGAGTCCCAGGTCTTGTAGGCAGAAAGGGAGACACTGGAAGCCCTGGGCTGGCAGGT 1311
Qy   1096 TCAGGAGTTCCAGGCCCTGCAGGTGTGAAGGGAGAACAGGGGAGCCCAGGGCTGGCAGGT 1155

Db   1312 CCCAAAGGAGAACCTGGACGAGTCGGTCAGAAGGGAGACCCGGGGATGAAAGGGTCTTCT 1371
Qy   1156 CCCAAGGGAGCCCCTGGACAAGCTGGCCAGAAGGGAGACCAGGGAGTGAAAGGATCTTCT 1215

Db   1372 GGCCAGCAAGGACAAAAGGGAGAAAAGGGTCAAAAAGGCGAATCTTTCCAACGCGTCCGG 1431
Qy   1216 GGGGAGCAAGGAGTAAAGGGAGAAAAAGGTGAAAGAGGTGAAAACTCAGTGTCCGTCAGG 1275

Db   1432 ATCATGGGTGGCACCAACAGAGGCCGAGCTGAAGTTTACTATAACAATGAGTGGGGGACA 1491
Qy   1276 ATTGTCGGCAGTAGTAACCGAGGCCGGGCTGAAGTTTACTACAGTGGTACCTGGGGGACA 1335

Db   1492 ATTTGTGATGATGATTGGGATAATAATGATGCGACTGTCTTCTGTCGCATGCTCGGTTAC 1551
Qy   1336 ATTTGCGATGACGAGTGGCAAAATTCTGATGCCATTGTCTTCTGCCGCATGCTGGGTTAC 1395

Db   1552 TCCAGAGGGAGAGCACTTAGCAGCTATGGAGGTGGCTCTGGGAACATCTGGCTGGACAAT 1611
Qy   1396 TCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCAGATCTGGCTGGATAAT 1455

Db   1612 GTGAATTGTCGGGGCACAGAGAACAGTTTGTGGGACTGCAGTAAGAACTCCTGGGGCAAT 1671
Qy   1456 GTTCAGTGTCGGGGCACGGAGAGTACCCTGTGGAGCTGCACCAAGAATAGCTGGGGCCAT 1515

Db   1672 CACAATTGCGTACATAATGAAGATGCGGGTGTGGAATGC 1710
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RESULT    2
ID   US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP.
AC   xxxxxx
DT
DE   Sequence 14, Application US/08232463
CC   Sequence 14, Application US/08232463
CC   Patent No. 5670367
CC    GENERAL INFORMATION:
CC      APPLICANT:  DORNER, F.
CC      APPLICANT:  SCHEIFLINGER, F.
CC      APPLICANT:  FALKNER, F. G.
CC      TITLE OF INVENTION:  RECOMBINANT FOWLPOX VIRUS
CC      NUMBER OF SEQUENCES:  52
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Foley & Lardner
CC        STREET:  1800 Diagonal Road, Suite 500
CC        CITY:  Alexandria
CC        STATE:  VA
CC        COUNTRY:  USA
CC        ZIP:  22313-0299
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/232,463
CC        FILING DATE:
CC        CLASSIFICATION:  435
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CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  US/07/935,313
CC        FILING DATE:
CC        APPLICATION NUMBER:  EP 91 114 300.6
CC        FILING DATE:  26-AUG-1991
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  BENT, Stephen A.
CC        REGISTRATION NUMBER:  29,768
CC        REFERENCE/DOCKET NUMBER:  30472/114 IMMU
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (703)836-9300
CC        TELEFAX:  (703)683-4109
CC        TELEX:  899149
CC    INFORMATION FOR SEQ ID NO:  14:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  7218 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      IMMEDIATE SOURCE:
CC        CLONE:  pTZgpt-F1s
SQ   SEQUENCE 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 OTHER.

  Query Match           8.5%;  Score 133;  DB 1;  Length 7218;
  Best Local Similarity   0.5%;  Pred. No. 1.70e-72;
  Matches    2;  Conservative  249;  Mismatches 118;  Indels   0;  Gaps   0;

Db   1065 ATYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1124
Cp   1359 ATTTTGCCACTCGTCATCGCAAATTGTCCCCCAGGTACCACTGTAGTAAACTTCAGCCCG 1300

Db   1125 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1184
Cp   1299 GCCTCGGTTACTACTGCCGACAATCCTGACGGACACTGAGTTTTCACCTCTTTCACCTTT 1240

Db   1185 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1244
Cp   1239 TTCTCCCTTTACTCCTTGCTCCCCAGAAGATCCTTTCACTCCCTGGTCTCCCTTCTGGCC 1180

Db   1245 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1304
Cp   1179 AGCTTGTCCAGGGGCTCCCTTGGGACCTGCCAGCCCTGGGCTCCCCTGTTCTCCCTTCAC 1120

Db   1305 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1364
Cp   1119 ACCTGCAGGGCCTGGAACTCCTGATTCTCCTTTTCTTCCTTGCTGTCCTTGAAGTCCTGT 1060

Db   1365 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1424
Cp   1059 GTCCCCTTTGCTTCCTTTCAGGCCTGTGGCTCCTGGACTCCCGGGGCTCCCTGGAAGTCC 1000

Db   1425 YYYYYYYYY 1433
Cp    999 TGCTCGCCC 991


RESULT    3
ID   US-08-238-163-5 STANDARD; DNA; UNC; 215 BP.
AC   xxxxxx
DT
DE   Sequence 5, Application US/08238163
CC   Sequence 5, Application US/08238163
CC   Patent No. 5569830
CC    GENERAL INFORMATION:
CC      APPLICANT:  BENNETT, Alan
CC      APPLICANT:  LABAVITCH, John M.
CC      APPLICANT:  POWELL, Ann
CC      APPLICANT:  STOTZ, Henrik
CC      TITLE OF INVENTION:  PLANT INHIBITORS OF FUNGAL
CC      TITLE OF INVENTION:  POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEASE
CC      NUMBER OF SEQUENCES:  24
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Townsend and Townsend Khourie and Crew
CC        STREET:  Steuart Street Tower, One Market Plaza
CC        CITY:  San Francisco
CC        STATE:  California
CC        COUNTRY:  US
CC        ZIP:  94105-1493
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/238,163
CC        FILING DATE:  03-MAY-1994
CC        CLASSIFICATION:  800
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Bastian, Kevin L.
CC        REGISTRATION NUMBER:  34,774
CC        REFERENCE/DOCKET NUMBER:  2307E-540
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (415) 543-9600
CC        TELEFAX:  (415) 543-5043
CC    INFORMATION FOR SEQ ID NO:  5:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  215 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  unknown
CC      MOLECULE TYPE:  protein
CC      FEATURE:
CC        NAME/KEY:  misc_feature
CC        LOCATION:  1..215
CC        OTHER INFORMATION:  /standard_name= "Deduced amino acid
CC        OTHER INFORMATION:  sequence of PGIP from bean."
SQ   SEQUENCE 215 BP; 15 A; 8 C; 25 G; 26 T; 141 OTHER.

  Query Match           2.5%;  Score 39;  DB 1;  Length 215;
  Best Local Similarity  13.4%;  Pred. No. 1.15e-09;
  Matches   23;  Conservative   74;  Mismatches  74;  Indels   1;  Gaps   1;

Db      6 MSSSSVVSRTASCNDKAKKDGNTTSSWTTDCCNRTWGVCDTDTTYRVNNDSGHNKYSSAN 65
Qy   1138 AGCCCAGGGCTGGCAGGTCCCAAGGGAGCCCCTGGACAAGCTGGCCAGAAGGGAGACCAG 1197

Db     66 YNYGGNNVGAAKTHYYTHTNVSGADSKTVTDSYNASGTSSSNGGTDGNRSGADSYGSSKT 125
Qy   1198 GGAGTGAA-AGGATCTTCTGGGGAGCAAGGAGTAAAGGGAGAAAAAGGTGAAAGAGGTGA 1256

Db    126 AMTSRNRTGKTANNAVDSRNMGDASVGSDKNTKKHAKNSADGKVGSKNNGDR 177
Qy   1257 AAACTCAGTGTCCGTCAGGATTGTCGGCAGTAGTAACCGAGGCCGGGCTGAA 1308


RESULT    4
ID   PCT-US96-08081-3 STANDARD; DNA; UNC; 1367 BP.
AC   xxxxxx
DT
DE   Sequence 3, Application PC/TUS9608081
CC   Sequence 3, Application PC/TUS9608081
CC    GENERAL INFORMATION:
CC      APPLICANT:  SmithKline Beecham Corporation
CC      TITLE OF INVENTION:  Attachment Enhanced 293 Cells
CC      NUMBER OF SEQUENCES:  4
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  SmithKline Beecham - Corporate Patents U.S.
CC        STREET:  Mailcode - UW2220, 709 Swedeland Road
CC        CITY:  King of Prussia
CC        STATE:  Pennsylvania
CC        COUNTRY:  U.S.A.
CC        ZIP:  19406-5090
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
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CC       SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC     CURRENT APPLICATION DATA:
CC       APPLICATION NUMBER:  PCT/US96/08081
CC       FILING DATE:
CC       CLASSIFICATION:
CC     ATTORNEY/AGENT INFORMATION:
CC       NAME:  Jervis, Herbert H.
CC       REGISTRATION NUMBER:  31,171
CC       REFERENCE/DOCKET NUMBER:  P50338
CC     TELECOMMUNICATION INFORMATION:
CC       TELEPHONE:  (610) 270-5019
CC       TELEFAX:  (610) 270-5090
CC   INFORMATION FOR SEQ ID NO:  3:
CC     SEQUENCE CHARACTERISTICS:
CC       LENGTH:  1367 base pairs
CC       TYPE:  nucleic acid
CC       STRANDEDNESS:  double
CC       TOPOLOGY:  not relevant
CC     MOLECULE TYPE:  cDNA to mRNA
CC     FEATURE:
CC       NAME/KEY:  CDS
CC       LOCATION:  67..1143
SQ   SEQUENCE 1367 BP; 427 A; 298 C; 303 G; 339 T; 0 OTHER.

  Query Match           2.4%;  Score 37;  DB 2;  Length 1367;
  Best Local Similarity  60.3%;  Pred. No. 1.72e-08;
  Matches   108;  Conservative    0;  Mismatches  71;  Indels   0;  Gaps   0;

Db    898 CCGGGTGAAAAAGGAGATCGAGGTCCCACTGGAGAAAGTGGTCCACGAGGATTTCCAGGT 957
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Qy    880 CCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTTCCGGGCCCTCCTGGT 939

Db    958 CCAATAGGTCCTCCGGGTCTTAAAGGTGATCGGGGAGCAATTGGCTTTCCTGGAAGTCGA 1017
           || | || |  || |||   || ||||| |  ||      |||||  |||||  |   |
Qy    940 GCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGCTGGCTCCCCTGGGCGAGCA 999

Db   1018 GGACTCCCAGGATATGCCGGAAGGCCAGGAAATTCTGGACCAAAAGGCCAGAAAGGGGA 1076
          |||||  |||||     |||| || ||||||    | || |  |||||    ||||||||
Qy   1000 GGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACAGGCCTGAAAGGAAGCAAAGGGGA 1058


RESULT    5
ID   US-08-453-117-3 STANDARD; DNA; UNC; 1367 BP.
AC   xxxxxx
DT
DE   Sequence 3, Application US/08453117
CC   Sequence 3, Application US/08453117
CC   Patent No. 5683903
CC    GENERAL INFORMATION:
CC      APPLICANT:  Lysko, Paul G.
CC      APPLICANT:  Elshourbagy, Nabil A.
CC      APPLICANT:  Brawner, Mary E.
CC      TITLE OF INVENTION:  Attachment Enhanced 293 Cells
CC      NUMBER OF SEQUENCES:  4
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  SmithKline Beecham - Corporate Patents
CC        ADDRESSEE:  U.S.
CC        STREET:  Mailcode - UW2220, 709 Swedeland Road
CC        CITY:  King of Prussia
CC        STATE:  Pennsylvania
CC        COUNTRY:  U.S.A.
CC        ZIP:  19406-5090
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/453,117
CC        FILING DATE:
CC        CLASSIFICATION:  435
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Jervis, Herbert H.
CC        REGISTRATION NUMBER:  31,171
CC        REFERENCE/DOCKET NUMBER:  SBC-P50338
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (610) 270-5019
CC        TELEFAX:  (610) 270-5090
CC    INFORMATION FOR SEQ ID NO:  3:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  1367 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  double
CC        TOPOLOGY:  not relevant
CC      MOLECULE TYPE:  cDNA to mRNA
CC      FEATURE:
CC        NAME/KEY:  CDS
CC        LOCATION:  67..1143
SQ   SEQUENCE 1367 BP; 427 A; 298 C; 303 G; 339 T; 0 OTHER.

  Query Match           2.4%;  Score 37;  DB 1;  Length 1367;
  Best Local Similarity  60.3%;  Pred. No. 1.72e-08;
  Matches   108;  Conservative    0;  Mismatches  71;  Indels   0;  Gaps   0;

Db    898 CCGGGTGAAAAAGGAGATCGAGGTCCCACTGGAGAAAGTGGTCCACGAGGATTTCCAGGT 957
          || || |  |||||||||| ||| |   |||||      |||   |  ||   ||| |||
Qy    880 CCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTTCCGGGCCCTCCTGGT 939

Db    958 CCAATAGGTCCTCCGGGTCTTAAAGGTGATCGGGGAGCAATTGGCTTTCCTGGAAGTCGA 1017
           || | || |  || |||   || ||||| |  ||      |||||  |||||  |   |
Qy    940 GCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGCTGGCTCCCCTGGGCGAGCA 999

Db   1018 GGACTCCCAGGATATGCCGGAAGGCCAGGAAATTCTGGACCAAAAGGCCAGAAAGGGGA 1076
          |||||  |||||     |||| || ||||||    | || |  |||||    ||||||||
Qy   1000 GGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACAGGCCTGAAAGGAAGCAAAGGGGA 1058


RESULT    6
ID   PCT-US96-01427-1 STANDARD; DNA; UNC; 1839 BP.
AC   xxxxxx
DT
DE   Sequence 1, Application PC/TUS9601427
CC   Sequence 1, Application PC/TUS9601427
CC    GENERAL INFORMATION:
CC      APPLICANT:  Greene, Mark I.
CC      APPLICANT:  Davis, James G.
CC      TITLE OF INVENTION:  Saccular collagen and Compositions and
CC      TITLE OF INVENTION:  Methods for Making and Using the Same
CC      NUMBER OF SEQUENCES:  2
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & Norris
CC        STREET:  One LIberty Place, 46th floor
CC        CITY:  Philadephia
CC        STATE:  PA
CC        COUNTRY:  USA
CC        ZIP:  19103
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  Wordperfect 5.1
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  PCT/US96/01427
CC        FILING DATE:
CC        CLASSIFICATION:
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  US 08/383,744
CC        FILING DATE:  02-FEB-1995
CC        CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  DeLuca, Mark
CC        REGISTRATION NUMBER:  33,229
CC        REFERENCE/DOCKET NUMBER:  UPN-2653
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  215-568-3100
CC        TELEFAX:  215-568-3439
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CC    INFORMATION FOR SEQ ID NO:  1:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  1839 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  double
CC        TOPOLOGY:  both
CC      MOLECULE TYPE:  cDNA
CC      FEATURE:
CC        NAME/KEY:  CDS
CC        LOCATION:  331..1602
SQ   SEQUENCE 1839 BP; 461 A; 444 C; 541 G; 393 T; 0 OTHER.

  Query Match           2.4%;  Score 37;  DB 2;  Length 1839;
  Best Local Similarity  58.8%;  Pred. No. 1.72e-08;
  Matches  124;  Conservative    0;  Mismatches  87;  Indels   0;  Gaps   0;

Db    555 GGGTCCTCTAGGGTTACCAGGGGAGAAGGGAGAGACAGGGCTCAGAGGACCTCCAGGACC 614
          ||| || | |||   ||| || |  ||||||||| | || |||  |||||| |  ||  |
Qy    576 GGGACCCCAAGGCCCACCGGGAGTCAAGGGAGAGGCGGGCCTCCAAGGACCCCAGGGTGC 635

Db    615 AGCAGGTCTACCTGGAGCCAATGGACTCAATGGCGACATAGGTGAAAAAGGTGATCAAGG 674
            ||||    |  |||||||| |||   |   ||   |  ||| || || ||    ||||
Qy    636 TCCAGGGAAGCAAGGAGCCACTGGCACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAAGG 695

Db    675 ACCGGTGGGTCTTCCTGGTGTCCCTGGGATCCCAGGAAAACCAGGAGAGAAAGGTGATCC 734
              |||||||   |||       |||    | ||||     ||||||||||| || |
Qy    696 CGATGGGGGTCTCATTGGCCCAAAAGGGGAAACTGGAACTAAGGGAGAGAAAGGAGACCT 755

Db    735 AGGCCTCAAAGGAGATAAAGGTGAACGTGGC 765
            || |||  ||||   ||||| ||  | |||
Qy    756 GGGTCTCCCAGGAAGCAAAGGGGACAGGGGC 786


RESULT    7
ID   US-08-453-117-1 STANDARD; DNA; UNC; 2028 BP.
AC   xxxxxx
DT
DE   Sequence 1, Application US/08453117
CC   Sequence 1, Application US/08453117
CC   Patent No. 5683903
CC    GENERAL INFORMATION:
CC      APPLICANT:  Lysko, Paul G.
CC      APPLICANT:  Elshourbagy, Nabil A.
CC      APPLICANT:  Brawner, Mary E.
CC      TITLE OF INVENTION:  Attachment Enhanced 293 Cells
CC      NUMBER OF SEQUENCES:  4
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  SmithKline Beecham - Corporate Patents
CC        ADDRESSEE:  U.S.
CC        STREET:  Mailcode - UW2220, 709 Swedeland Road
CC        CITY:  King of Prussia
CC        STATE:  Pennsylvania
CC        COUNTRY:  U.S.A.
CC        ZIP:  19406-5090
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/453,117
CC        FILING DATE:
CC        CLASSIFICATION:  435
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Jervis, Herbert H.
CC        REGISTRATION NUMBER:  31,171
CC        REFERENCE/DOCKET NUMBER:  SBC-P50338
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (610) 270-5019
CC        TELEFAX:  (610) 270-5090
CC    INFORMATION FOR SEQ ID NO:  1:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  2028 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  double
CC        TOPOLOGY:  not relevant
CC      MOLECULE TYPE:  cDNA to mRNA
CC      FEATURE:
CC        NAME/KEY:  CDS
CC        LOCATION:  47..1402
SQ   SEQUENCE 2028 BP; 653 A; 369 C; 434 G; 572 T; 0 OTHER.

  Query Match           2.4%;  Score 37;  DB 1;  Length 2028;
  Best Local Similarity  60.3%;  Pred. No. 1.72e-08;
  Matches  108;  Conservative    0;  Mismatches  71;  Indels   0;  Gaps   0;

Db    878 CCGGGTGAAAAAGGAGATCGAGGTCCCACTGGAGAAAGTGGTCCACGAGGATTTCCAGGT 937
          || || |  |||||||||| ||| |   |||||      |||   | ||   ||| |||
Qy    880 CCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTTCCGGGCCCTCCTGGT 939

Db    938 CCAATAGGTCCTCCGGGTCTTAAAGGTGATCGGGGAGCAATTGGCTTTCCTGGAAGTCGA 997
          || | || |  || |||   || ||||| |  ||      |||||  |||||  |   |
Qy    940 GCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGCTGGCTCCCCTGGGCGAGCA 999

Db    998 GGACTCCCAGGATATGCCGGAAGGCCAGGAAATTCTGGACCAAAAGGCCAGAAAGGGGA 1056
          ||||| |||||     |||| || ||||||    | || |  |||||    ||||||||
Qy   1000 GGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACAGGCCTGAAAGGAAGCAAAGGGGA 1058


RESULT    8
ID   PCT-US96-08081-1 STANDARD; DNA; UNC; 2028 BP.
AC   xxxxxx
DT
DE   Sequence 1, Application PC/TUS9608081
CC   Sequence 1, Application PC/TUS9608081
CC    GENERAL INFORMATION:
CC      APPLICANT:  SmithKline Beecham Corporation
CC      TITLE OF INVENTION:  Attachment Enhanced 293 Cells
CC      NUMBER OF SEQUENCES:  4
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  SmithKline Beecham - Corporate Patents U.S.
CC        STREET:  Mailcode - UW2220, 709 Swedeland Road
CC        CITY:  King of Prussia
CC        STATE:  Pennsylvania
CC        COUNTRY:  U.S.A.
CC        ZIP:  19406-5090
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  PCT/US96/08081
CC        FILING DATE:
CC        CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Jervis, Herbert H.
CC        REGISTRATION NUMBER:  31,171
CC        REFERENCE/DOCKET NUMBER:  P50338
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (610) 270-5019
CC        TELEFAX:  (610) 270-5090
CC    INFORMATION FOR SEQ ID NO:  1:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  2028 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  double
CC        TOPOLOGY:  not relevant
CC      MOLECULE TYPE:  cDNA to mRNA
CC      FEATURE:
CC        NAME/KEY:  CDS
CC        LOCATION:  47..1402
SQ   SEQUENCE 2028 BP; 653 A; 369 C; 434 G; 572 T; 0 OTHER.

  Query Match           2.4%;  Score 37;  DB 2;  Length 2028;
  Best Local Similarity  60.3%;  Pred. No. 1.72e-08;
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  Matches   108;  Conservative    0;  Mismatches  71;  Indels   0;  Gaps   0;

Db    878 CCGGGTGAAAAAGGAGATCGAGGTCCCACTGGAGAAAGTGGTCCACGAGGATTTCCAGGT 937
          || || |  |||||||||| ||| |   |||||      |||   |  ||   ||| |||
Qy    880 CCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTTCCGGGCCCTCCTGGT 939

Db    938 CCAATAGGTCCTCCGGGTCTTAAAGGTGATCGGGGAGCAATTGGCTTTCCTGGAAGTCGA 997
          || | || |  || |||   || ||||| |  ||      |||||  |||||  |   |
Qy    940 GCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGCTGGCTCCCCTGGGCGAGCA 999

Db    998 GGACTCCCAGGATATGCCGGAAGGCCAGGAAATTCTGGACCAAAAGGCCAGAAAGGGGA 1056
          |||||  |||||     |||| || ||||||    | || |  |||||    ||||||||
Qy   1000 GGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACAGGCCTGAAAGGAAGCAAAGGGGA 1058


RESULT    9
ID   US-08-154-365-1 STANDARD; DNA; UNC; 2037 BP.
AC   xxxxxx
DT
DE   Sequence 1, Application US/08154365
CC   Sequence 1, Application US/08154365
CC   Patent No. 5624904
CC    GENERAL INFORMATION:
CC      APPLICANT:  Dunne, Dana W.
CC      APPLICANT:  Resnick, David
CC      APPLICANT:  Kreiger, Monty
CC      APPLICANT:  Joiner, Keith A.
CC      TITLE OF INVENTION:  Method for Treating Gram-Positive
CC      TITLE OF INVENTION:  Septicemia
CC      NUMBER OF SEQUENCES:  2
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Patrea L. Pabst
CC        STREET:  1100 Peachtree Street, Suite 2800
CC        CITY:  Atlanta
CC        STATE:  Ga
CC        COUNTRY:  USA
CC        ZIP:  30309-4530
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/154,365
CC        FILING DATE:
CC        CLASSIFICATION:  514
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Pabst, Patrea L.
CC        REGISTRATION NUMBER:  31,284
CC        REFERENCE/DOCKET NUMBER:  MIT6392
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (404)-815-6508
CC        TELEFAX:  (404)-815-6555
CC    INFORMATION FOR SEQ ID NO:  1:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  2037 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  cDNA
CC      HYPOTHETICAL:  NO
CC      ANTI-SENSE:  NO
CC      ORIGINAL SOURCE:
CC        ORGANISM:  homo sapien
CC      IMMEDIATE SOURCE:
CC        LIBRARY:  THP-1
CC      PUBLICATION INFORMATION:
CC        AUTHORS:  Ashkenas, et al.
CC        JOURNAL:  J. Lipid Res.
CC        VOLUME:  34
CC        PAGES:  983-1000
CC        DATE:  1993
CC        RELEVANT RESIDUES IN SEQ ID NO:  1: FROM 1 TO 2037
SQ   SEQUENCE 2037 BP; 656 A; 371 C; 435 G; 575 T; 0 OTHER.

  Query Match           2.4%;  Score 37;  DB 1;  Length 2037;
  Best Local Similarity  60.3%;  Pred. No. 1.72e-08;
  Matches   108;  Conservative    0;  Mismatches  71;  Indels   0;  Gaps   0;

Db    878 CCGGGTGAAAAAGGAGATCGAGGTCCCACTGGAGAAAGTGGTCCACGAGGATTTCCAGGT 937
          || || |  |||||||||| ||| |   |||||      |||   |  ||   ||| |||
Qy    880 CCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTTCCGGGCCCTCCTGGT 939

Db    938 CCAATAGGTCCTCCGGGTCTTAAAGGTGATCGGGGAGCAATTGGCTTTCCTGGAAGTCGA 997
          || | || |  || |||   || ||||| |  ||      |||||  |||||  |   |
Qy    940 GCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGCTGGCTCCCCTGGGCGAGCA 999

Db    998 GGACTCCCAGGATATGCCGGAAGGCCAGGAAATTCTGGACCAAAAGGCCAGAAAGGGGA 1056
          |||||  |||||     |||| || ||||||    | || |  |||||    ||||||||
Qy   1000 GGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACAGGCCTGAAAGGAAGCAAAGGGGA 1058


RESULT   10
ID   5510466-3 STANDARD; DNA; UNC; 1720 BP.
AC   xxxxxx
DT   01-JAN-1900
DE   Patent No. 5510466.
CC  Patent No. 5510466
CC      APPLICANT: KREIGER, MONTY;KODAMA, TATSUHIKO
CC      TITLE OF INVENTION: SCAVENGER RECEPTOR PROTEIN AND ANTIBODY
CC  THERETO
CC      NUMBER OF SEQUENCES: 12
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/307,400
CC        FILING DATE: 16-SEP-1994
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER: 997,113
CC        FILING DATE: 24-DEC-1992
CC        APPLICATION NUMBER: 391,486
CC        FILING DATE: 09-AUG-1989
CC        APPLICATION NUMBER: 272,002
CC        FILING DATE: 15-NOV-1988
CC  SEQ ID NO:3:
CC        LENGTH: 1588
SQ   Sequence 1720 BP; 506 A; 304 C; 367 G; 411 T; 132 other;

  Query Match           2.3%;  Score 36;  DB 3;  Length 1588;
  Best Local Similarity  59.8%;  Pred. No. 6.57e-08;
  Matches   110;  Conservative    0;  Mismatches  74;  Indels   0;  Gaps   0;

Db    824 CTGGACCTCCAGGTGAAAAAGGAGATAGAGGCCCTCCTGGACAAAATGGTATACCAGGCT 883
          ||||   ||| || |  |||||||||  ||| |  |||||||   | ||| | || |||
Qy    872 CTGGTTTTCCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTTCCGGGCC 931

Db    884 TTCCAGGTCTAATAGGTACTCCAGGTCTTAAAGGTGATCGGGGGATCTCTGGTTTACCTG 943
           ||| |||  | | ||    ||||||   || |||||  |  || |   ||||  |  ||||
Qy    932 CTCCTGGTGCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGCTGGCTCCCCTG 991

Db    944 GAGTTCGAGGATTCCCAGGACCAATGGGGAAGACCGGGAAGCCAGGACTTAATGGACAAA 1003
          |      ||||  | |||||       ||||   | ||     ||||  ||  ||  |||   |
Qy    992 GGCGAGCAGGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACAGGCCTGAAAGGAAGCA 1051

Db   1004 AAGG 1007
          ||||
Qy   1052 AAGG 1055


RESULT   11
ID   US-08-167-939A-5 STANDARD; DNA; UNC; 1196 BP.
AC   xxxxxx
DT
DE   Sequence 5, Application US/08167939A
CC   Sequence 5, Application US/08167939A
CC   Patent No. 5578703
CC    GENERAL INFORMATION:
CC      APPLICANT:  Ichijo, Hidenori; Miyazono, Kohei;
```

```
CC      APPLICANT:  R nnstrand, Lars; Hellman, Ulf; Wernstedt, Christer;
CC      APPLICANT:  Heldin, Carl-Henrik
CC      TITLE OF INVENTION:  Substantially Pure Receptor-Like
CC      TITLE OF INVENTION:  TGF-a1 Binding Molecules And Uses Thereof
CC      NUMBER OF SEQUENCES:  14
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Felfe & Lynch
CC        STREET:  805 Third Avenue
CC        CITY:  New York City
CC        STATE:  New York
CC        COUNTRY:  USA
CC        ZIP:  10022
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Diskette, 5.25 inch, 360 kb storage
CC        COMPUTER:  IBM
CC        OPERATING SYSTEM:  PC-DOS
CC        SOFTWARE:  Wordperfect
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/167,939A
CC        FILING DATE:  22-APRIL-1994
CC        CLASSIFICATION:  530
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  PCT/US92/05199
CC        FILING DATE:  18-JUNE-1992
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Hanson, No. 5578703man D.
CC        REGISTRATION NUMBER:  30,946
CC        REFERENCE/DOCKET NUMBER:  LUD 5259.1
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (212) 688-9200
CC        TELEFAX:  (212) 838-3884
CC    INFORMATION FOR SEQ ID NO:  5:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  1196 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
SQ   SEQUENCE 1196 BP; 257 A; 363 C; 387 G; 189 T; 0 OTHER.

  Query Match           2.2%;  Score 35;  DB 1;  Length 1196;
  Best Local Similarity  61.0%;  Pred. No. 2.48e-07;
  Matches   97;  Conservative    0;  Mismatches  62;  Indels   0;  Gaps   0;

Db    147 AGGCTGCCCGGGGCTGCCTGGAGCCGCAGGGCCCAAGGGAGAGGCGGGCGCCAGTGGACC 206
          ||||  | |||| |  |  ||  |  | ||   ||||||||||||||||  |   |||||
Qy    567 AGGCCCCTCGGGACCCCAAGGCCCACCGGGAGTCAAGGGAGAGGCGGGCCTCCAAGGACC 626

Db    207 GAAGGGAGGACAAGGCCCTCCCGGAGCCCCTGGGGAGCCAGGACCCCCCGGGCCCAAAGG 266
            |||| |  | |||    |  |||||| ||||    ||||||||||  ||    || ||
Qy    627 CCAGGGTGCTCCAGGGAAGCAAGGAGCCACTGGCACCCCAGGACCCCAAGGAGAGAAGGG 686

Db    267 AGACCGAGGGGAGAAGGGCGAGCCTGGACCAAAAGGAGA 305
            |  ||| ||   |||      ||| ||||||||  ||
Qy    687 CAGCAAAGGCGATGGGGGTCTCATTGGCCCAAAAGGGGA 725


RESULT  12
ID  5510466-1 STANDARD; DNA; UNC; 1957 BP.
AC  xxxxxx
DT  01-JAN-1900
DE  Patent No. 5510466.
CC Patent No. 5510466
CC      APPLICANT: KREIGER, MONTY;KODAMA, TATSUHIKO
CC      TITLE OF INVENTION: SCAVENGER RECEPTOR PROTEIN AND ANTIBODY
CC THERETO
CC      NUMBER OF SEQUENCES: 12
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER: US/08/307,400
CC        FILING DATE: 16-SEP-1994
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER: 997,113
CC        FILING DATE: 24-DEC-1992
CC        APPLICATION NUMBER: 391,486
CC        FILING DATE: 09-AUG-1989
CC        APPLICATION NUMBER: 272,002
CC        FILING DATE: 15-NOV-1988
CC SEQ ID NO:1:
CC        LENGTH: 1807
SQ   Sequence 1957 BP; 556 A; 384 C; 406 G; 461 T; 150 other;

  Query Match           2.2%;  Score 35;  DB 3;  Length 1807;
  Best Local Similarity  62.6%;  Pred. No. 2.48e-07;
  Matches   87;  Conservative    0;  Mismatches  52;  Indels   0;  Gaps   0;

Db    856 CTGGACCTCCAGGTGAAAAAGGAGATAGAGGCCCTCCTGGACAAAATGGTATACCAGGCT 915
          ||||   ||| || |  |||||||||  ||| |  |||||||   | ||| | || |||
Qy    872 CTGGTTTTCCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTTCCGGGCC 931

Db    916 TTCCAGGTCTAATAGGTACTCCAGGTCTTAAAGGTGATCGGGGGATCTCTGGTTTACCTG 975
              ||| |||  | | ||    ||||||   || ||||| |  || |   |||| |  ||||
Qy    932 CTCCTGGTGCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGCTGGCTCCCCTG 991

Db    976 GAGTTCGAGGATTCCCAGG 994
          |     |||| | |||||
Qy    992 GGCGAGCAGGACTTCCAGG 1010


RESULT  13
ID  US-07-972-032-80 STANDARD; DNA; UNC; 186 BP.
AC  xxxxxx
DT
DE  Sequence 80, Application US/07972032
CC  Sequence 80, Application US/07972032
CC  Patent No. 5496712
CC   GENERAL INFORMATION:
CC     APPLICANT:  Cappello, Joseph
CC     APPLICANT:  Ferrari, Franco A.
CC     TITLE OF INVENTION:  HIGH MOLECULAR WEIGHT COLLAGEN-LIKE
CC     TITLE OF INVENTION:  PROTEIN POLYMERS
CC     NUMBER OF SEQUENCES:  85
CC     CORRESPONDENCE ADDRESS:
CC       ADDRESSEE:  Bertram I. Rowland
CC       STREET:  4 Embarcadero Center, Suite 3400
CC       CITY:  San Francisco
CC       STATE:  California
CC       COUNTRY:  USA
CC       ZIP:  CA 94111
CC     COMPUTER READABLE FORM:
CC       MEDIUM TYPE:  Floppy disk
CC       COMPUTER:  IBM PC compatible
CC       OPERATING SYSTEM:  PC-DOS/MS-DOS
CC       SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC     CURRENT APPLICATION DATA:
CC       APPLICATION NUMBER:  US/07/972,032
CC       FILING DATE:  19921105
CC       CLASSIFICATION:  435
CC     PRIOR APPLICATION DATA:
CC       APPLICATION NUMBER:  US/07/791,960
CC       FILING DATE:  12-NOV-1991
CC     ATTORNEY/AGENT INFORMATION:
CC       NAME:  Rowland, Bertram I.
CC       REGISTRATION NUMBER:  20,015
CC       REFERENCE/DOCKET NUMBER:  A-55556-1/BIR;PROP-08-1
CC     TELECOMMUNICATION INFORMATION:
CC       TELEPHONE:  (415) 781-1989
CC       TELEFAX:  (415) 398-3249
CC    INFORMATION FOR SEQ ID NO:  80:
CC     SEQUENCE CHARACTERISTICS:
CC       LENGTH:  186 base pairs
CC       TYPE:  NUCLEIC ACID
CC       STRANDEDNESS:  double
CC       TOPOLOGY:  linear
CC     MOLECULE TYPE:  cDNA
CC     FEATURE:
CC       NAME/KEY:  CDS
CC       LOCATION:  1..180
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SQ   SEQUENCE 186 BP; 27 A; 58 C; 77 G; 24 T; 0 OTHER.

  Query Match           2.1%;  Score 33;  DB 1;  Length 186;
  Best Local Similarity  60.4%;  Pred. No. 3.41e-06;
  Matches    96;  Conservative    0;  Mismatches  63;  Indels   0;  Gaps   0;

Db     28 GGTGCACCGGGTCTGCAGGGTGCACCGGGAGCGCCAGGTAGCCAGGGTGCACCGGGATTG 87
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Qy    496 GGTGCCCCTGGCCCGCCGGGACCACCTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGA 555

Db     88 CAGGGGGCTCCGGGTGCACCAGGTAGCCAGGGAGCACCGGGTCTGCAAGGAGCACCGGGT 147
          | || ||  | ||  |  | ||   ||| ||  |||||||  |  | ||||   ||||
Qy    556 GATGGAGCAACAGGCCCCTCGGGACCCCAAGGCCCACCGGGAGTCAAGGGAGAGGCGGGC 615

Db    148 GCACCGGGATCCCAGGGCGCTCCGGGCCTGCAAGGTGCC 186
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Qy    616 CTCCAAGGACCCCAGGGTGCTCCAGGGAAGCAAGGAGCC 654


RESULT   14
ID   US-08-238-163-5 STANDARD; DNA; UNC; 215 BP.
AC   xxxxxx
DT
DE   Sequence 5, Application US/08238163
CC   Sequence 5, Application US/08238163
CC   Patent No. 5569830
CC    GENERAL INFORMATION:
CC      APPLICANT:  BENNETT, Alan
CC      APPLICANT:  LABAVITCH, John M.
CC      APPLICANT:  POWELL, Ann
CC      APPLICANT:  STOTZ, Henrik
CC      TITLE OF INVENTION:  PLANT INHIBITORS OF FUNGAL
CC      TITLE OF INVENTION:  POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEASE
CC      NUMBER OF SEQUENCES:  24
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Townsend and Townsend Khourie and Crew
CC        STREET:  Steuart Street Tower, One Market Plaza
CC        CITY:  San Francisco
CC        STATE:  California
CC        COUNTRY:  US
CC        ZIP:  94105-1493
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/238,163
CC        FILING DATE:  03-MAY-1994
CC        CLASSIFICATION:  800
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Bastian, Kevin L.
CC        REGISTRATION NUMBER:  34,774
CC        REFERENCE/DOCKET NUMBER:  2307E-540
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (415) 543-9600
CC        TELEFAX:  (415) 543-5043
CC     INFORMATION FOR SEQ ID NO:  5:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  215 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  unknown
CC      MOLECULE TYPE:  protein
CC      FEATURE:
CC        NAME/KEY:  misc_feature
CC        LOCATION:  1..215
CC        OTHER INFORMATION:  /standard_name= "Deduced amino acid
CC        OTHER INFORMATION:  sequence of PGIP from bean."
SQ   SEQUENCE 215 BP; 15 A; 8 C; 25 G; 26 T; 141 OTHER.

  Query Match           2.1%;  Score 33;  DB 1;  Length 215;
  Best Local Similarity  16.2%;  Pred. No. 3.41e-06;
  Matches    33;  Conservative   78;  Mismatches  90;  Indels   3;  Gaps   3;

Db      7 SSSSVVSRTASCNDKAKKDGNTTSSWTTDCCNRTW-GVCDTDTTYRVNNDSGHNKYSSAN 65
          ::::: ::  :| :: :::  ||: :   |  :   |:|:|:||:::  : |: :: :|
Cp    489 GCCCATGGCCCCCTTGTGACCTTGAAGACCTGGGGCGCCTTGTTCACCTTTGATTCTGAA 430

Db     66 YNYGGNNVGAAKTHYYTHTNVSGADSKTVTDSYNASGTSSSNGGTDGNRSGADSYGSSKT 125
          : :    :|  :|::   | : | :::    ::   |  ::  ||:      :::| ::
Cp    429 CATCCCTGGG-TTCTGAGTGAAGTTGTCTACCCGCTGCAGCAAGTGCTCATGGCTGACGC 371

Db    126 AMTSRNRTGKTANNAVDSRNMGDASVGSDKNTKKHAKNSADGKVGSKNNGDRNNRYGTGT 185
            :  : |: |   :::   | |:: :::   :: : :|:| : :   |::  : ||||
Cp    370 GGACCCAGGTGAGTTGGGCCTGCAGGACTTGCAGCCTCGATGCACC-CTGAGCCAGGTGT 312

Db    186 KSNVSNNCGGGNKRDVSSYANNKC 209
          :: ::   | | : :: ::   :|
Cp    311 TCTCCAGGGTGTGCTGACTGCAGC 288


RESULT   15
ID   US-07-621-091G-1 STANDARD; DNA; UNC; 1416 BP.
AC   xxxxxx
DT
DE   Sequence 1, Application US/07621091G
CC   Sequence 1, Application US/07621091G
CC   Patent No. 5424408
CC    GENERAL INFORMATION:
CC      APPLICANT:  Reeders, Stephen T., Morrison, Karen E., Hudson, Billy
CC      APPLICANT:  G.
CC      TITLE OF INVENTION:  Alpha-3 Chain Type IV Collagen
CC      TITLE OF INVENTION:  Polynucleotides
CC      NUMBER OF SEQUENCES:  23
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Yale University, Office of Cooperative Research
CC        STREET:  246 Church Street
CC        CITY:  New Haven
CC        STATE:  Connecticut
CC        COUNTRY:  U.S.A.
CC        ZIP:  06510
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Diskette, 3.50 inch, 800K storage
CC        COMPUTER:  Apple Macintosh
CC        OPERATING SYSTEM:  Macintosh OS7.0
CC        SOFTWARE:  Microsoft Word 5.1a
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/07/621,091G
CC        FILING DATE:  11/30/90
CC        CLASSIFICATION:  424
CC      PRIOR APPLICATION DATA:  No. 5424408 applicable
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Barth, Richard S.
CC        REGISTRATION NUMBER:  28180
CC        REFERENCE/DOCKET NUMBER:  900983/RB
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (212) 972-1400
CC        TELEFAX:  (212) 370-1622
CC        TELEX:  236268
CC     INFORMATION FOR SEQ ID NO:  1:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  1416 base pairs
CC        TYPE:  Nucleic acid
CC        STRANDEDNESS:  Double
CC        TOPOLOGY:  Linear
CC      MOLECULE TYPE:  cDNA to mRNA
CC      HYPOTHETICAL:  No
CC      ANTI-SENSE:  No
CC      ORIGINAL SOURCE:
CC        ORGANISM:  Calf
CC        STRAIN:  Unknown
CC        INDIVIDUAL ISOLATE:  Unknown
CC        DEVELOPMENTAL STAGE:  Unknown
CC        CELL TYPE:  Whole kidney
CC      IMMEDIATE SOURCE:
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CC       LIBRARY:  Bovine lens cDNA
CC       CLONE:  KMC15
CC     POSITION IN GENOME:  No. 5424408 known
CC       CHROMOSOME/SEGMENT:  No. 5424408 known
CC     PUBLICATION INFORMATION:  No. 5424408e
SQ   SEQUENCE 1416 BP; 374 A; 365 C; 393 G; 284 T; 0 OTHER.

  Query Match           2.1%;  Score 32;  DB 1;  Length 1416;
  Best Local Similarity  61.0%;  Pred. No. 1.24e-05;
  Matches    89;  Conservative    0;  Mismatches  57;  Indels   0;  Gaps   0;

Db    472 GGAAGCCCAGGCCCACCTGGTTCAGCTGGAGAACCAGGGATGCAAGGAGAACCCGGGCCC 531
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Qy    847 GGGAGGCCAGGCCCACCAGGTTTGGCTGGTTTTCCTGGAGCTAAAGGAGATCAAGGACAA 906

Db    532 CCAGGACCACCAGGAGATCCAGGACCCTGTGGGCCAAAAGGTAAACCAGGGGAGGATGGT 591
          || ||||  |  || | ||| || ||   |||  ||   ||  | ||||| |   | |||
Qy    907 CCTGGACTGCAGGGTGTTCCGGGCCCTCCTGGTGCAGTGGGACACCCAGGTGCCAAGGGT 966

Db    592 CCACCAGGAACTCCTGGACCAACTGG 617
            || || | | ||||  |  ||||
Qy    967 GAGCCTGGCAGTGCTGGCTCCCCTGG 992


Search completed: Fri Sep 11 06:59:56 1998
Job time : 138 secs.
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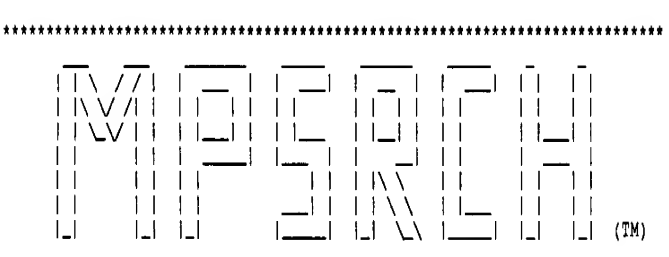

MPsrch_nn n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Fri Sep 11 07:00:14 1998; MasPar time 1122.70 Seconds
1310.169 Million cell updates/sec

Tabular output not generated.

Title: >US-08-794-795-5
Description: (1-1560) from US08794795.seq
Perfect Score: 1560
N.A. Sequence: 1 ATGAGAAATAAGAAAATTCT.....CAGGCGTGGAGTGCAGCGTC 1560
Comp: TACTCTTTATTCTTTTAAGA.....GTCCGCACCTCACGTCGCAG

Scoring table: TABLE default
Gap 6

Nmatch STD : Dbase 0; Query 0

Searched: 1460335 seqs, 471452172 bases x 2

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database: n-pending
1:P9 2:U6000 3:U6001 4:U6002 5:U6003 6:U6004 7:U6005
8:U6006 9:U6007 10:U6008 11:U7 12:U80 13:U81 14:U82
15:U83 16:U84A 17:U84B 18:U85 19:U86 20:U87 21:U88
22:U89 23:U90A 24:U90B 25:U91 26:NEWP 27:NEWU8 28:NEWU9

Statistics: Mean 10.635; Variance 4.217; scale 2.522

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description	Pred. No.
1	1560	100.0	1560	20	US-08-794-	Sequence 5, Applicatio	0.00e+00
2	1558	99.9	1835	22	US-08-934-	Sequence 2, Applicatio	0.00e+00
3	1523	97.6	1703	20	US-08-794-	Sequence 1, Applicatio	0.00e+00
4	1023	65.6	1323	23	US-09-023-	Sequence 813, Applicat	0.00e+00
5	742	47.6	775	21	US-08-837-	Sequence 1335, Applica	0.00e+00
6	666	42.7	1868	21	US-08-893-	Sequence 1, Applicatio	0.00e+00
7	309	19.8	311	24	US-09-057-	Sequence 358, Applicat	2.32e-284
8	269	17.2	269	21	US-08-801-	Sequence 148, Applicat	4.20e-242
9	252	16.2	252	5	US-60-039-	Sequence 1236, Applica	3.24e-224
10	250	16.0	250	21	US-08-808-	Sequence 5073, Applica	4.10e-222
11	247	15.8	251	20	US-08-770-	Sequence 3424, Applica	5.79e-219
12	242	15.5	246	23	US-09-016-	Sequence 839, Applicat	1.02e-213
13	241	15.4	241	7	US-60-051-	Sequence 163, Applicat	1.15e-212
14	239	15.3	242	21	US-08-810-	Sequence 2282, Applica	1.43e-210
15	228	14.6	228	20	US-08-770-	Sequence 3302, Applica	4.75e-199
16	218	14.0	218	20	US-08-770-	Sequence 164, Applicat	1.34e-188
17	218	14.0	218	2	US-60-009-	Sequence 164, Applicat	1.34e-188
18	216	13.8	218	4	US-60-023-	Sequence 1670, Applica	1.64e-186
19	215	13.8	220	16	US-08-413-	Sequence 265, Applicat	1.81e-185
20	206	13.2	207	4	US-60-020-	Sequence 1145, Applica	4.32e-176
21	199	12.8	211	20	US-08-770-	Sequence 93, Applicati	8.23e-169
22	199	12.8	211	2	US-60-009-	Sequence 93, Applicati	8.23e-169
23	197	12.6	219	20	US-08-770-	Sequence 4015, Applica	9.84e-167
24	192	12.3	294	20	US-08-770-	Sequence 4110, Applica	1.52e-161
25	190	12.2	203	20	US-08-770-	Sequence 4448, Applica	1.80e-159
26	188	12.1	203	16	US-08-412-	Sequence 1358, Applica	2.12e-157
27	186	11.9	239	21	US-08-803-	Sequence 5482, Applica	2.50e-155
28	185	11.9	243	23	US-09-016-	Sequence 889, Applicat	2.71e-154
29	183	11.7	220	21	US-08-801-	Sequence 1564, Applica	3.17e-152
30	179	11.5	226	4	US-60-023-	Sequence 1927, Applica	4.32e-148
31	171	11.0	207	22	US-08-951-	Sequence 793, Applicat	7.68e-140
32	165	10.6	222	3	US-60-010-	Sequence 515, Applicat	1.14e-133
33	165	10.6	222	21	US-08-801-	Sequence 2393, Applica	1.14e-133
34	159	10.2	590	21	US-08-837-	Sequence 915, Applicat	1.64e-127
35	146	9.4	218	4	US-60-025-	Sequence 260, Applicat	3.15e-114
36	146	9.4	218	22	US-08-903-	Sequence 2238, Applica	3.15e-114
37	147	9.4	227	16	US-08-420-	Sequence 523, Applicat	3.02e-115
38	136	8.7	186	4	US-60-023-	Sequence 396, Applicat	4.55e-104
c 39	133	8.5	7218	17	US-08-466-	Sequence 14, Applicati	4.94e-101
40	129	8.3	165	3	US-60-013-	Sequence 158, Applicat	5.42e-97
41	129	8.3	165	21	US-08-808-	Sequence 158, Applicat	5.42e-97
42	112	7.2	265	20	US-08-770-	Sequence 5209, Applica	5.94e-80
43	99	6.3	578	18	US-08-569-	Sequence 14, Applicati	4.30e-67
44	99	6.3	578	19	US-08-624-	Sequence 14, Applicati	4.30e-67
45	96	6.2	248	21	US-08-810-	Sequence 382, Applicat	3.77e-64

ALIGNMENTS

RESULT 1
ID US-08-794-795-5 STANDARD; DNA; UNC; 1560 BP.
AC xxxxxx
DT
DE Sequence 5, Application US/08794795
CC Sequence 5, Application US/08794795
CC GENERAL INFORMATION:
CC APPLICANT: Elshourlagy, Nabil
CC APPLICANT: Adamou, John
CC APPLICANT: Gross, Mitchell
CC APPLICANT: Lysko, Paul
CC TITLE OF INVENTION: Human Macro Scavenger Rec
CC TITLE OF INVENTION: eptor
CC NUMBER OF SEQUENCES: 9
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: SmithKline Beecham Corporation
CC STREET: 709 Swedeland Road
CC CITY: King of Prussia
CC STATE: PA
CC COUNTRY: USA
CC ZIP: 19406
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Diskette
CC COMPUTER: IBM Compatible
CC OPERATING SYSTEM: DOS
CC SOFTWARE: FastSEQ for Windows Version 2.0
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/794,795
CC FILING DATE: 04-FEB-1997
CC CLASSIFICATION: 435
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: ATG50009P
CC FILING DATE: 22-MAY-1996
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Han, William T
CC REGISTRATION NUMBER: 34,344
CC REFERENCE/DOCKET NUMBER: ATG50009
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 610-270-5219
CC TELEFAX: 610-270-4026
CC TELEX:

02/04/97
05/23/96

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CC    INFORMATION FOR SEQ ID NO:  5:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  1560 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  cDNA
SQ   SEQUENCE 1560 BP; 389 A; 387 C; 533 G; 251 T; 0 OTHER.

  Query Match          100.0%;  Score 1560;  DB 20;  Length 1560;
  Best Local Similarity 100.0%;  Pred. No. 0.00e+00;
  Matches  1560;  Conservative    0;  Mismatches   0;  Indels   0;  Gaps   0;

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Qy     61 TTTCACCAAATTGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGGAGAAAT 120

Db    121 GGGGTGAACTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCGCTGGCGCT 180
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Qy    121 GGGGTGAACTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCGCTGGCGCT 180

Db    181 GGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCCTGGAGATGTAT 240
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Qy    181 GGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCCTGGAGATGTAT 240

Db    241 TTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCCTTCTCCTTGCTGCAGTCAGCA 300
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Qy    241 TTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCCTTCTCCTTGCTGCAGTCAGCA 300

Db    301 CACCCTGGAGAACACCTGGCTCAGGGTGCATCGAGGCTGCAAGTCCTGCAGGCCCAACTC 360
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Qy    301 CACCCTGGAGAACACCTGGCTCAGGGTGCATCGAGGCTGCAAGTCCTGCAGGCCCAACTC 360

Db    361 ACCTGGGTCCGCGTCAGCCATGAGCACTTGCTGCAGCGGGTAGACAACTTCACTCAGAAC 420
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Qy    361 ACCTGGGTCCGCGTCAGCCATGAGCACTTGCTGCAGCGGGTAGACAACTTCACTCAGAAC 420

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Qy    421 CCAGGGATGTTCAGAATCAAAGGTGAACAAGGCGCCCCAGGTCTTCAAGGTCACAAGGGG 480

Db    481 GCCATGGGCATGCCTGGTGCCCCTGGCCCGCCGGGACCACCTGCTGAGAAGGGAGCCAAG 540
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Qy    481 GCCATGGGCATGCCTGGTGCCCCTGGCCCGCCGGGACCACCTGCTGAGAAGGGAGCCAAG 540

Db    541 GGGGCTATGGGACGAGATGGAGCAACAGGCCCCTCGGGACCCCAAGGCCCACCGGGAGTC 600
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Qy    541 GGGGCTATGGGACGAGATGGAGCAACAGGCCCCTCGGGACCCCAAGGCCCACCGGGAGTC 600

Db    601 AAGGGAGAGGCGGGCCTCCAAGGACCCCAGGGTGCTCCAGGGAAGCAAGGAGCCACTGGC 660
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Qy    601 AAGGGAGAGGCGGGCCTCCAAGGACCCCAGGGTGCTCCAGGGAAGCAAGGAGCCACTGGC 660

Db    661 ACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAAGGCGATGGGGGTCTCATTGGCCCAAAA 720
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Qy    661 ACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAAGGCGATGGGGGTCTCATTGGCCCAAAA 720

Db    721 GGGGAAACTGGAACTAAGGGAGAGAAAGGAGACCTGGGTCTCCCAGGAAGCAAAGGGGAC 780
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Qy    721 GGGGAAACTGGAACTAAGGGAGAGAAAGGAGACCTGGGTCTCCCAGGAAGCAAAGGGGAC 780

Db    781 AGGGGCATGAAAGGAGATGCAGGGGTCATGGGGCCTCCTGGAGCCCAGGGGAGTAAAGGT 840
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Qy    841 GACTTCGGGAGGCCAGGCCCACCAGGTTTGGCTGGTTTTCCTGGAGCTAAAGGAGATCAA 900

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Db   1141 CCAGGGCTGGCAGGTCCCAAGGGAGCCCCTGGACAAGCTGGCCAGAAGGGAGACCAGGGA 1200
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Qy   1141 CCAGGGCTGGCAGGTCCCAAGGGAGCCCCTGGACAAGCTGGCCAGAAGGGAGACCAGGGA 1200

Db   1201 GTGAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAGAAAAAGGTGAAAGAGGTGAAAAC 1260
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Qy   1201 GTGAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAGAAAAAGGTGAAAGAGGTGAAAAC 1260

Db   1261 TCAGTGTCCGTCAGGATTGTCGGCAGTAGTAACCGAGGCCGGGCTGAAGTTTACTACAGT 1320
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1261 TCAGTGTCCGTCAGGATTGTCGGCAGTAGTAACCGAGGCCGGGCTGAAGTTTACTACAGT 1320

Db   1321 GGTACCTGGGGGACAATTTGCGATGACGAGTGGCAAAATTCTGATGCCATTGTCTTCTGC 1380
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1321 GGTACCTGGGGGACAATTTGCGATGACGAGTGGCAAAATTCTGATGCCATTGTCTTCTGC 1380

Db   1381 CGCATGCTGGGTTACTCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCAG 1440
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1381 CGCATGCTGGGTTACTCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCAG 1440

Db   1441 ATCTGGCTGGATAATGTTCAGTGTCGGGGCACGGAGAGTACCCTGTGGAGCTGCACCAAG 1500
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1441 ATCTGGCTGGATAATGTTCAGTGTCGGGGCACGGAGAGTACCCTGTGGAGCTGCACCAAG 1500

Db   1501 AATAGCTGGGGCCATCATGACTGCAGCCACGAGGAGGACGCAGGCGTGGAGTGCAGCGTC 1560
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1501 AATAGCTGGGGCCATCATGACTGCAGCCACGAGGAGGACGCAGGCGTGGAGTGCAGCGTC 1560


RESULT    2
ID   US-08-934-168-2 STANDARD; DNA; UNC; 1835 BP.
AC   xxxxxx
DT
DE   Sequence 2, Application US/08934168
CC   Sequence 2, Application US/08934168
CC    GENERAL INFORMATION:
CC      APPLICANT:  Bandman, Olga
CC      APPLICANT:  Lal, Preeti
CC      APPLICANT:  Corley, Neil C.
CC      APPLICANT:  Shah, Purvi
CC      TITLE OF INVENTION:  HUMAN MARCO
CC      NUMBER OF SEQUENCES:  3
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Incyte Pharmaceuticals, Inc.
CC        STREET:  3174 Porter Drive
CC        CITY:  Palo Alto
CC        STATE:  CA
CC        COUNTRY:  USA
CC        ZIP:  94304
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Diskette
CC        COMPUTER:  IBM Compatible
CC        OPERATING SYSTEM:  DOS
CC        SOFTWARE:  FastSEQ for Windows Version 2.0
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/934,168
CC        FILING DATE:  Herewith
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9/19/97

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CC       CLASSIFICATION:  435
CC     PRIOR APPLICATION DATA:
CC       APPLICATION NUMBER:
CC       FILING DATE:
CC     ATTORNEY/AGENT INFORMATION:
CC       NAME:  Billings, Lucy J.
CC       REGISTRATION NUMBER:  36,749
CC       REFERENCE/DOCKET NUMBER:  PF-0392 US
CC     TELECOMMUNICATION INFORMATION:
CC       TELEPHONE:  650-855-0555
CC       TELEFAX:  650-845-4166
CC       TELEX:
CC   INFORMATION FOR SEQ ID NO:  2:
CC     SEQUENCE CHARACTERISTICS:
CC       LENGTH:  1835 base pairs
CC       TYPE:  nucleic acid
CC       STRANDEDNESS:  single
CC       TOPOLOGY:  linear
CC     IMMEDIATE SOURCE:
CC       LIBRARY:  MMLR3DT01
CC       CLONE:  569648
SQ   SEQUENCE 1835 BP; 454 A; 451 C; 610 G; 320 T; 0 OTHER.

  Query Match           99.9%;  Score 1558;  DB 22;  Length 1835;
  Best Local Similarity  99.9%;  Pred. No. 0.00e+00;
  Matches  1559;  Conservative    0;  Mismatches   1;  Indels   0;  Gaps   0;

Db    119 ATGAGAAATAAGAAAATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCCAACAAGCTGCT 178
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy      1 ATGAGAAATAAGAAAATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCCAACAAGCTGCT 60

Db    179 TTTCACCAAATTGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGGAGAAAT 238
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     61 TTTCACCAAATTGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGGAGAAAT 120

Db    239 GGGGTGAACTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCGCTGGCGCT 298
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    121 GGGGTGAACTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCGCTGGCGCT 180

Db    299 GGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCCTGGAGATGTAT 358
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    181 GGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCCTGGAGATGTAT 240

Db    359 TTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCCTTCTCCTTGCTGCAGTCAGCA 418
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    241 TTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCCTTCTCCTTGCTGCAGTCAGCA 300

Db    419 CACCCTGGAGAACACCTGGCTCAGGGTGCATCGAGGCTGCAAGTCCTGCAGGCCCAACTC 478
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    301 CACCCTGGAGAACACCTGGCTCAGGGTGCATCGAGGCTGCAAGTCCTGCAGGCCCAACTC 360

Db    479 ACCTGGGTCCGCGTCAGCCATGAGCACTTGCTGCAGCGGGTAGACAACTTCACTCAGAAC 538
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    361 ACCTGGGTCCGCGTCAGCCATGAGCACTTGCTGCAGCGGGTAGACAACTTCACTCAGAAC 420

Db    539 CCAGGGATGTTCAGAATCAAAGGTGAACAAGGCGCCCCAGGTCTTCAAGGTCACAAGGGG 598
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    421 CCAGGGATGTTCAGAATCAAAGGTGAACAAGGCGCCCCAGGTCTTCAAGGTCACAAGGGG 480

Db    599 GCCATGGGCATGCCTGGTGCCCCTGGCCCGCCGGGACCACCTGCTGAGAAGGGAGCCAAG 658
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    481 GCCATGGGCATGCCTGGTGCCCCTGGCCCGCCGGGACCACCTGCTGAGAAGGGAGCCAAG 540

Db    659 GGGGCTATGGGACGAGATGGAGCAACAGGCCCCTCGGGACCCCAAGGCCCACCGGGAGTC 718
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    541 GGGGCTATGGGACGAGATGGAGCAACAGGCCCCTCGGGACCCCAAGGCCCACCGGGAGTC 600

Db    719 AAGGGAGAGGCGGGCCTCCAAGGACCCCAGGGTGCTCCAGGGAAGCAAGGAGCCACTGGC 778
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    601 AAGGGAGAGGCGGGCCTCCAAGGACCCCAGGGTGCTCCAGGGAAGCAAGGAGCCACTGGC 660

Db    779 ACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAAGGCGATGGGGGTCTCATTGGCCCAAAA 838
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Qy    661 ACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAAGGCGATGGGGGTCTCATTGGCCCAAAA 720

Db    839 GGGGAAACTGGAACTAAGGGAGAGAAAGGAGACCTGGGTCTCCCAGGAAGCAAAGGGGAC 898
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    721 GGGGAAACTGGAACTAAGGGAGAGAAAGGAGACCTGGGTCTCCCAGGAAGCAAAGGGGAC 780

Db    899 AGGGGCATGAAAGGAGATGCAGGGGTCATGGGGCCTCCTGGAGCCCAGGGGAGTAAAGGT 958
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    781 AGGGGCATGAAAGGAGATGCAGGGGTCATGGGGCCTCCTGGAGCCCAGGGGAGTAAAGGT 840

Db    959 GACTTCGGGAGGCTAGGCCCACCAGGTTTGGCTGGTTTTCCTGGAGCTAAAGGAGATCAA 1018
          |||||||||||| ||||||||||||||||||||||||||||||||||||||||||||||||
Qy    841 GACTTCGGGAGGCCAGGCCCACCAGGTTTGGCTGGTTTTCCTGGAGCTAAAGGAGATCAA 900

Db   1019 GGACAACCTGGACTGCAGGGTGTTCCGGGCCCTCCTGGTGCAGTGGGACACCCAGGTGCC 1078
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    901 GGACAACCTGGACTGCAGGGTGTTCCGGGCCCTCCTGGTGCAGTGGGACACCCAGGTGCC 960

Db   1079 AAGGGTGAGCCTGGCAGTGCTGGCTCCCCTGGGCGAGCAGGACTTCCAGGGAGCCCCGGG 1138
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    961 AAGGGTGAGCCTGGCAGTGCTGGCTCCCCTGGGCGAGCAGGACTTCCAGGGAGCCCCGGG 1020

Db   1139 AGTCCAGGAGCCACAGGCCTGAAAGGAAGCAAAGGGGACACAGGACTTCAAGGACAGCAA 1198
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1021 AGTCCAGGAGCCACAGGCCTGAAAGGAAGCAAAGGGGACACAGGACTTCAAGGACAGCAA 1080

Db   1199 GGAAGAAAAGGAGAATCAGGAGTTCCAGGCCCTGCAGGTGTGAAGGGAGAACAGGGGAGC 1258
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1081 GGAAGAAAAGGAGAATCAGGAGTTCCAGGCCCTGCAGGTGTGAAGGGAGAACAGGGGAGC 1140

Db   1259 CCAGGGCTGGCAGGTCCCAAGGGAGCCCCTGGACAAGCTGGCCAGAAGGGAGACCAGGGA 1318
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1141 CCAGGGCTGGCAGGTCCCAAGGGAGCCCCTGGACAAGCTGGCCAGAAGGGAGACCAGGGA 1200

Db   1319 GTGAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAGAAAAAGGTGAAAGAGGTGAAAAC 1378
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1201 GTGAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAGAAAAAGGTGAAAGAGGTGAAAAC 1260

Db   1379 TCAGTGTCCGTCAGGATTGTCGGCAGTAGTAACCGAGGCCGGGCTGAAGTTTACTACAGT 1438
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1261 TCAGTGTCCGTCAGGATTGTCGGCAGTAGTAACCGAGGCCGGGCTGAAGTTTACTACAGT 1320

Db   1439 GGTACCTGGGGGACAATTTGCGATGACGAGTGGCAAAATTCTGATGCCATTGTCTTCTGC 1498
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1321 GGTACCTGGGGGACAATTTGCGATGACGAGTGGCAAAATTCTGATGCCATTGTCTTCTGC 1380

Db   1499 CGCATGCTGGGTTACTCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCAG 1558
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1381 CGCATGCTGGGTTACTCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCAG 1440

Db   1559 ATCTGGCTGGATAATGTTCAGTGTCGGGGCACGGAGAGTACCCTGTGGAGCTGCACCAAG 1618
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1441 ATCTGGCTGGATAATGTTCAGTGTCGGGGCACGGAGAGTACCCTGTGGAGCTGCACCAAG 1500

Db   1619 AATAGCTGGGGCCATCATGACTGCAGCCACGAGGAGGACGCAGGCGTGGAGTGCAGCGTC 1678
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1501 AATAGCTGGGGCCATCATGACTGCAGCCACGAGGAGGACGCAGGCGTGGAGTGCAGCGTC 1560


RESULT   3
ID   US-08-794-795-1 STANDARD; DNA; UNC; 1703 BP.
AC   XXXXXX
DT
DE   Sequence 1, Application US/08794795
CC   Sequence 1, Application US/08794795
CC    GENERAL INFORMATION:
CC      APPLICANT:  Elshourlagy, Nabil
CC      APPLICANT:  Adamou, John
CC      APPLICANT:  Gross, Mitchell
CC      APPLICANT:  Lysko, Paul
CC      TITLE OF INVENTION:  Human Macro Scavenger Rec
CC      TITLE OF INVENTION:  eptor
CC      NUMBER OF SEQUENCES:  9
```

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CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  SmithKline Beecham Corporation
CC        STREET:  709 Swedeland Road
CC        CITY:  King of Prussia
CC        STATE:  PA
CC        COUNTRY:  USA
CC        ZIP:  19406
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Diskette
CC        COMPUTER:  IBM Compatible
CC        OPERATING SYSTEM:  DOS
CC        SOFTWARE:  FastSEQ for Windows Version 2.0
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/794,795
CC        FILING DATE:  04-FEB-1997
CC        CLASSIFICATION:  435
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  ATG50009P
CC        FILING DATE:  22-MAY-1996
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Han, William T
CC        REGISTRATION NUMBER:  34,344
CC        REFERENCE/DOCKET NUMBER:  ATG50009
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  610-270-5219
CC        TELEFAX:  610-270-4026
CC        TELEX:
CC    INFORMATION FOR SEQ ID NO:  1:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  1703 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  cDNA
SQ   SEQUENCE 1703 BP; 437 A; 423 C; 567 G; 275 T; 1 OTHER.

  Query Match          97.6%;  Score 1523;  DB 20;  Length 1703;
  Best Local Similarity  99.9%;  Pred. No. 0.00e+00;
  Matches  1530;  Conservative    0;  Mismatches   1;  Indels   1;  Gaps   1;

Db      4 ACGAGCTCTTGAGTGAGACCCAACAAGCTGCTTTTCACCAAATTGCAATGGAGCCTTTCG 63
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     29 ACGAGCTCTTGAGTGAGACCCAACAAGCTGCTTTTCACCAAATTGCAATGGAGCCTTTCG 88

Db     64 AAATCAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAACTTCTCCCTAGCTGTGGTGG 123
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     89 AAATCAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAACTTCTCCCTAGCTGTGGTGG 148

Db    124 TCATCTACCTGATCCTGCTCACCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATC 183
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    149 TCATCTACCTGATCCTGCTCACCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATC 208

Db    184 TGCAGGCGCGGCTCCGGGTCCTGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGG 243
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    209 TGCAGGCGCGGCTCCGGGTCCTGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGG 268

Db    244 ACAGCCCGTCCTTCTCCTTGCTGCAGTCAGCACACCCTGGAGAACACCTGGCTCAGGGTG 303
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    269 ACAGCCCGTCCTTCTCCTTGCTGCAGTCAGCACACCCTGGAGAACACCTGGCTCAGGGTG 328

Db    304 CATCGAGGCTGCAAGTCCTGCAGGCCCAACTCACCTGGGTCCGCGTCAGCCATGAGCACT 363
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    329 CATCGAGGCTGCAAGTCCTGCAGGCCCAACTCACCTGGGTCCGCGTCAGCCATGAGCACT 388

Db    364 TGCTGCAGCGGGTAGACAACTTCACTCAGAACCCAGGGATGTTCAGAATCAAAGGTGAAC 423
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    389 TGCTGCAGCGGGTAGACAACTTCACTCAGAACCCAGGGATGTTCAGAATCAAAGGTGAAC 448

Db    424 AAGGCGCCCCAGGTCTTCAAGGTCACAAGGGGGCCATGGGCATGCCTGGTGCCCCTGGCC 483
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    449 AAGGCGCCCCAGGTCTTCAAGGTCACAAGGGGGCCATGGGCATGCCTGGTGCCCCTGGCC 508

Db    484 CGCCGGGACCACCTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGAGATGGAACAACAG 543
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||||||
Qy    509 CGCCGGGACCACCTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGAGATGGAGCAACAG 568

Db    544 GCCCCTCGGGACCCCAAGGCCCACCGGGAGTCAAGGGAGAGGCGGGCCTCCAAGGACCCC 603
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    569 GCCCCTCGGGACCCCAAGGCCCACCGGGAGTCAAGGGAGAGGCGGGCCTCCAAGGACCCC 628

Db    604 AGGGTGCTCCAGGGAAGCAAGGAGCCACTGGCACCCCAGGACCCCAAGGAGAGAAGGGCA 663
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    629 AGGGTGCTCCAGGGAAGCAAGGAGCCACTGGCACCCCAGGACCCCAAGGAGAGAAGGGCA 688

Db    664 GCAAAGGCGATGGGGGTCTCATTGGCCCAAAAGGGGAAACTGGAACTAAGGGAGAGAAAG 723
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    689 GCAAAGGCGATGGGGGTCTCATTGGCCCAAAAGGGGAAACTGGAACTAAGGGAGAGAAAG 748

Db    724 GAGACCTGGGTCTCCCAGGAAGCAAAGGGGACAGGGGCATGAAAGGAGATGCAGGGGTCA 783
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    749 GAGACCTGGGTCTCCCAGGAAGCAAAGGGGACAGGGGCATGAAAGGAGATGCAGGGGTCA 808

Db    784 TGGGGCCTCCTGGAGCCCAGGGGAGTAAAGGTGACTTCGGGAGGCCAGGCCCACCAGGTT 843
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    809 TGGGGCCTCCTGGAGCCCAGGGGAGTAAAGGTGACTTCGGGAGGCCAGGCCCACCAGGTT 868

Db    844 TGGCTGGTTTTCCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTTCCGG 903
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    869 TGGCTGGTTTTCCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTTCCGG 928

Db    904 GCCCTCCTGGTGCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGCTGGCTCCC 963
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    929 GCCCTCCTGGTGCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGCTGGCTCCC 988

Db    964 CTGGGCGAGCAGGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACAGGCCTGAAAGGAA 1023
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    989 CTGGGCGAGCAGGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACAGGCCTGAAAGGAA 1048

Db   1024 GCAAAGGGGACACAGGACTTCAAGGACAGCAAGGAAGAAAAGGAGAATCAGGAGTTCCAG 1083
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1049 GCAAAGGGGACACAGGACTTCAAGGACAGCAAGGAAGAAAAGGAGAATCAGGAGTTCCAG 1108

Db   1084 GCCCTGCAGGTGTGAAGGGAGAACAGGGGAGCCCAGGGCTGGCAGGTCCCAAGGGAGCCC 1143
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1109 GCCCTGCAGGTGTGAAGGGAGAACAGGGGAGCCCAGGGCTGGCAGGTCCCAAGGGAGCCC 1168

Db   1144 CTGGACAAGCTGGCCAGAAGGGAGACCAGGGAGTGAAAGGATCTTCTGGGGAGCAAGGAG 1203
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1169 CTGGACAAGCTGGCCAGAAGGGAGACCAGGGAGTGAAAGGATCTTCTGGGGAGCAAGGAG 1228

Db   1204 TAAAGGGAGAAAAAGGTGAAAGAGGTGAAAACTCAGTGTCCGTCAGGATTGTCGGCAGTA 1263
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1229 TAAAGGGAGAAAAAGGTGAAAGAGGTGAAAACTCAGTGTCCGTCAGGATTGTCGGCAGTA 1288

Db   1264 GTAACCGAGGCCGGGCTGAAGTTTACTACAGTGGTACCTGGGGGACAATTTGCGATGACG 1323
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1289 GTAACCGAGGCCGGGCTGAAGTTTACTACAGTGGTACCTGGGGGACAATTTGCGATGACG 1348

Db   1324 AGTGGCAAAATTCTGATGCCATTGTCTTCTGCCGCATGCTGGGT-ACTCCAAAGGAAGGG 1382
          |||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||
Qy   1349 AGTGGCAAAATTCTGATGCCATTGTCTTCTGCCGCATGCTGGGTTACTCCAAAGGAAGGG 1408

Db   1383 CCCTGTACAAAGTGGGAGCTGGCACTGGGCAGATCTGGCTGGATAATGTTCAGTGTCGGG 1442
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1409 CCCTGTACAAAGTGGGAGCTGGCACTGGGCAGATCTGGCTGGATAATGTTCAGTGTCGGG 1468

Db   1443 GCACGGAGAGTACCCTGTGGAGCTGCACCAAGAATAGCTGGGGCCATCATGACTGCAGCC 1502
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1469 GCACGGAGAGTACCCTGTGGAGCTGCACCAAGAATAGCTGGGGCCATCATGACTGCAGCC 1528

Db   1503 ACGAGGAGGACGCAGGCGTGGAGTGCAGCGTC 1534
          |||||||||||||||||||||||||||||||
Qy   1529 ACGAGGAGGACGCAGGCGTGGAGTGCAGCGTC 1560


RESULT    4
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ID   US-09-023-655-813 STANDARD; DNA; UNC; 1323 BP.
AC   xxxxxx
DT
DE   Sequence 813, Application US/09023655
CC   Sequence 813, Application US/09023655
CC    GENERAL INFORMATION:
CC      APPLICANT:  Cocks, Benjamin G.
CC      APPLICANT:  Susan G. Stuart
CC      APPLICANT:  Jeffrey J. Seilhamer
CC      TITLE OF INVENTION:  COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
CC      TITLE OF INVENTION:  EXPRESSION
CC      NUMBER OF SEQUENCES:  1508
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
CC        STREET:  3174 PORTER DRIVE
CC        CITY:  PALO ALTO
CC        STATE:  CALIFORNIA
CC        COUNTRY:  USA
CC        ZIP:  94304
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  Word Perfect 6.1 for Windows/MS-DOS 6.2
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/09/023,655
CC        FILING DATE:  HEREWITH
CC        CLASSIFICATION:
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:
CC        FILING DATE:
CC        CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Zeller, Karen J.
CC        REGISTRATION NUMBER:  37,071
CC        REFERENCE/DOCKET NUMBER:  PA-0001 US
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (650) 855-0555
CC        TELEFAX:  (650) 845-4166
CC     INFORMATION FOR SEQ ID NO:  813:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  1323 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      IMMEDIATE SOURCE:
CC        LIBRARY:  LUNGNOT04
CC        CLONE:  768545
SQ   SEQUENCE 1323 BP; 331 A; 312 C; 471 G; 204 T; 5 OTHER.

  Query Match          65.6%;  Score 1023;  DB 23;  Length 1323;
  Best Local Similarity  98.4%;  Pred. No. 0.00e+00;
  Matches  1091;  Conservative    0;  Mismatches   7;  Indels  11;  Gaps  11;

Db     68 GGTCTTCAAGGTCACAAGGNGGCCATGGGCNTGCCTGGNGCCCCTGGCCCGCCGGGACCA 127
           |||||||||||||||||| |||||||||| ||||||| ||||||||||||||||||||||
Qy    460 GGTCTTCAAGGTCACAAGGGGGCCATGGGCATGCCTGGTGCCCCTGGCCCGCCGGGACCA 519

Db    128 CCTGCNGAGAAGGGAGCCAAGGGGGCTATGGGACGAGATGGAGCAACAGGCCCCTCGGGA 187
           ||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    520 CCTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGAGATGGAGCAACAGGCCCCTCGGGA 579

Db    188 CCCCAAGGCCCACCGGGAGTCAAGGGAGAGGCGGGCCTCCAAGGACCCCAGGGTGCTCCA 247
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    580 CCCCAAGGCCCACCGGGAGTCAAGGGAGAGGCGGGCCTCCAAGGACCCCAGGGTGCTCCA 639

Db    248 GGGAAGCAAGGAGCCACTGGCACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAAGGCGAT 307
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    640 GGGAAGCAAGGAGCCACTGGCACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAAGGCGAT 699

Db    308 GGGGGTCTCATTGGCCCAAAAGGGGAAACTGGAACTAAGGGAGAGAAAGGAGACCTGGGT 367
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    700 GGGGGTCTCATTGGCCCAAAAGGGGAAACTGGAACTAAGGGAGAGAAAGGAGACCTGGGT 759

Db    368 CTCCCAGGAAGCAAAGGGGACAGGGGCATGAAAGGAGATGCAGGGGTCATGGGGCCTCCT 427
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    760 CTCCCAGGAAGCAAAGGGGACAGGGGCATGAAAGGAGATGCAGGGGTCATGGGGCCTCCT 819

Db    428 GGAGCCCAGGGGAGTAAAGGTN-CTT-GGGAGGCCAGGCCCACCAGGTTTGGCTGGTTTT 485
           |||||||||||||||||||| ||| ||||||||||||||||||||||||||||||||||
Qy    820 GGAGCCCAGGGGAGTAAAGGTGACTTCGGGAGGCCAGGCCCACCAGGTTTGGCTGGTTTT 879

Db    486 CCTGGAGCTAAAGGAGATCAAGGACAACCTGGGACTGCAGGGTGTTCCGGGCCCTCCTGG 545
           |||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||
Qy    880 CCTGGAGCTAAAGGAGATCAAGGACAACCTGG-ACTGCAGGGTGTTCCGGGCCCTCCTGG 938

Db    546 TGCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGCTGGCTCCCCTGGGCGAGC 605
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    939 TGCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGCTGGCTCCCCTGGGCGAGC 998

Db    606 AGGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACAGGCCTGAAAGGAAGGCAAAGGGG 665
           |||||||||||||||||||||||||||||||||||||||||||||||||| ||||||||
Qy    999 AGGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACAGGCCTGAAAGGAAG-CAAAGGGG 1057

Db    666 ACACAGGACTTCAAGGACAGCAAGGAAGAAAAGGAGAATCAGGAGTTCCAGGCCCTGCAG 725
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1058 ACACAGGACTTCAAGGACAGCAAGGAAGAAAAGGAGAATCAGGAGTTCCAGGCCCTGCAG 1117

Db    726 GTGTGAAGGGAGAACAGGGGAGCCCAGGGCTGGCAGGTCCCAAGGGAGCCCCTGGACAAG 785
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1118 GTGTGAAGGGAGAACAGGGGAGCCCAGGGCTGGCAGGTCCCAAGGGAGCCCCTGGACAAG 1177

Db    786 CTGGCCAGAAGGGAGACCAGGGAGTGAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAG 845
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1178 CTGGCCAGAAGGGAGACCAGGGAGTGAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAG 1237

Db    846 AAAAAGGTGAAAGAGGTGAAAACTCAGTGTCCGTCAGGATTGTCGGCAGTAGTAACCGAG 905
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1238 AAAAAGGTGAAAGAGGTGAAAACTCAGTGTCCGTCAGGATTGTCGGCAGTAGTAACCGAG 1297

Db    906 GGCCGGGGCTGAAGTTTACTACAGTGGTACCTGGGGGACAAATTTGCGATGACGGAGTGG 965
           | ||||| |||||||||||||||||||||||||||||| |||||||||||| |||||
Qy   1298 G-CCGGG-CTGAAGTTTACTACAGTGGTACCTGGGGGACAA-TTTGCGATGACG-AGTGG 1353

Db    966 CAAAATTCTGATGCCATTGTCTTGTGGCCGCATGCTGGGTTACCTCCAAAGGAAGGGCCC 1025
           |||||||||||||||||||||| || ||||||||||||||| ||||||||||||||||||
Qy   1354 CAAAATTCTGATGCCATTGTCTTCTG-CCGCATGCTGGGTTAC-TCCAAAGGAAGGGCCC 1411

Db   1026 TGTACAAAGTGGGAGCTGGGCACTGGGCAGATCTGGCTGGATAATGTTCAGTGTCGGGGC 1085
           |||||||||||||||||| ||||||||||||||||||||||||||||||||||||||||
Qy   1412 TGTACAAAGTGGGAGCTGG-CACTGGGCAGATCTGGCTGGATAATGTTCAGTGTCGGGGC 1470

Db   1086 AAGGAGAGTACCCTGTGGAGCTGCACCAAGAATAGCTGGGGCCATCATGACTGCAGCCAC 1145
           | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1471 ACGGAGAGTACCCTGTGGAGCTGCACCAAGAATAGCTGGGGCCATCATGACTGCAGCCAC 1530

Db   1146 GAGGAGGACGCAGGCGTGGAGTGCAGCGT 1174
           ||||||||||||||||||||||||||||||
Qy   1531 GAGGAGGACGCAGGCGTGGAGTGCAGCGT 1559


RESULT    5
ID   US-08-837-312-1335 STANDARD; DNA; UNC; 775 BP.
AC   xxxxxx
DT
DE   Sequence 1335, Application US/08837312
CC   Sequence 1335, Application US/08837312
CC    GENERAL INFORMATION:
CC      APPLICANT:  Jacobs, Kenneth
CC      APPLICANT:  McCoy, John
CC      APPLICANT:  LaVallie, Edward
CC      APPLICANT:  Racie, Lisa
CC      APPLICANT:  Merberg, David
CC      APPLICANT:  Treacy, Maurice
CC      APPLICANT:  Spaulding, Vikki
CC      TITLE OF INVENTION:  SECRETED, EXPRESSED SEQUENCE TAGS
```

4-10-97

```
CC      NUMBER OF SEQUENCES:  1519
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Genetics Institute, Inc.
CC        STREET:  87 CambridgePark Drive
CC        CITY:  Cambridge
CC        STATE:  Massachusetts
CC        COUNTRY:  U.S.A
CC        ZIP:  02140
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy Disk
CC        COMPUTER:  IBM PC Compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/837,312
CC        FILING DATE:
CC        CLASSIFICATION:  435
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Brown, Scott A.
CC        REGISTRATION NUMBER:  32,724
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (617) 498-8224
CC        TELEFAX:  (617) 876-5851
CC    INFORMATION FOR SEQ ID NO:  1335:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  775 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  double
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  cDNA
SQ   SEQUENCE 775 BP; 184 A; 221 C; 244 G; 126 T; 0 OTHER.

  Query Match          47.6%;  Score 742;  DB 21;  Length 775;
  Best Local Similarity 100.0%;  Pred. No. 0.00e+00;
  Matches  742;  Conservative    0;  Mismatches   0;  Indels   0;  Gaps   0;

Db     22 GCTCTTGAGTGAGACCCAACAAGCTGCTTTTCACCAAATTGCAATGGAGCCTTTCGAAAT 81
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     33 GCTCTTGAGTGAGACCCAACAAGCTGCTTTTCACCAAATTGCAATGGAGCCTTTCGAAAT 92

Db     82 CAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAACTTCTCCCTAGCTGTGGTGGTCAT 141
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     93 CAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAACTTCTCCCTAGCTGTGGTGGTCAT 152

Db    142 CTACCTGATCCTGCTCACCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGCA 201
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    153 CTACCTGATCCTGCTCACCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGCA 212

Db    202 GGCGCGGCTCCGGGTCCTGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAG 261
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    213 GGCGCGGCTCCGGGTCCTGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAG 272

Db    262 CCCGTCCTTCTCCTTGCTGCAGTCAGCACACCCTGGAGAACACCTGGCTCAGGGTGCATC 321
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    273 CCCGTCCTTCTCCTTGCTGCAGTCAGCACACCCTGGAGAACACCTGGCTCAGGGTGCATC 332

Db    322 GAGGCTGCAAGTCCTGCAGGCCCAACTCACCTGGGTCCGCGTCAGCCATGAGCACTTGCT 381
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    333 GAGGCTGCAAGTCCTGCAGGCCCAACTCACCTGGGTCCGCGTCAGCCATGAGCACTTGCT 392

Db    382 GCAGCGGGTAGACAACTTCACTCAGAACCCAGGGATGTTCAGAATCAAAGGTGAACAAGG 441
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    393 GCAGCGGGTAGACAACTTCACTCAGAACCCAGGGATGTTCAGAATCAAAGGTGAACAAGG 452

Db    442 CGCCCCAGGTCTTCAAGGTCACAAGGGGGCCATGGGCATGCCTGGTGCCCCTGGCCCGCC 501
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    453 CGCCCCAGGTCTTCAAGGTCACAAGGGGGCCATGGGCATGCCTGGTGCCCCTGGCCCGCC 512

Db    502 GGGACCACCTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGAGATGGAGCAACAGGCCC 561
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    513 GGGACCACCTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGAGATGGAGCAACAGGCCC 572

Db    562 CTCGGGACCCCAAGGCCCACCGGGAGTCAAGGGAGAGGCGGGCCTCCAAGGACCCCAGGG 621
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    573 CTCGGGACCCCAAGGCCCACCGGGAGTCAAGGGAGAGGCGGGCCTCCAAGGACCCCAGGG 632

Db    622 TGCTCCAGGGAAGCAAGGAGCCACTGGCACCCCAGGACCCCAAGGAGAGAAGGGCAGCAA 681
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    633 TGCTCCAGGGAAGCAAGGAGCCACTGGCACCCCAGGACCCCAAGGAGAGAAGGGCAGCAA 692

Db    682 AGGCGATGGGGGTCTCATTGGCCCAAAAGGGGAAACTGGAACTAAGGGAGAGAAAGGAGA 741
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    693 AGGCGATGGGGGTCTCATTGGCCCAAAAGGGGAAACTGGAACTAAGGGAGAGAAAGGAGA 752

Db    742 CCTGGGTCTCCCAGGAAGCAAA 763
        |||||||||||||||||||||||
Qy    753 CCTGGGTCTCCCAGGAAGCAAA 774


RESULT    6
ID   US-08-893-467A-1 STANDARD; DNA; UNC; 1868 BP.
AC   XXXXXX
DT
DE   Sequence 1, Application US/08893467A
CC   Sequence 1, Application US/08893467A
CC    GENERAL INFORMATION:
CC      APPLICANT:  Tryggvason, Karl
CC      APPLICANT:  Elomaa, Outi
CC      APPLICANT:  Kangas, Maarit
CC      TITLE OF INVENTION:  An Insolated DNA Sequence For a
CC      TITLE OF INVENTION:  Novel Macrophage Receptor with
CC      TITLE OF INVENTION:  a Collagenous Domain and the
CC      TITLE OF INVENTION:  Polypeptide Chain Encoded by
CC      TITLE OF INVENTION:  such a Sequence
CC      NUMBER OF SEQUENCES:  2
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Fay, Sharpe, Beall, Fagan,
CC        ADDRESSEE:  Minnich & McKee
CC        STREET:  1100 Superior Avenue
CC        STREET:  Suite 700
CC        CITY:  Cleveland
CC        STATE:  Ohio
CC        COUNTRY:  U.S.A.
CC        ZIP:  44114-2518
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Diskette, 3.50 inch,
CC        MEDIUM TYPE:  720  Kb storable
CC        COMPUTER:  IBM PS/2, Model 35 SX
CC        OPERATING SYSTEM:  DOS 5.0
CC        SOFTWARE:  Word Perfect 5.1
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/893,467A
CC        FILING DATE:
CC        CLASSIFICATION:  435
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Minnich, Richard J.
CC        REGISTRATION NUMBER:  24,175
CC        REFERENCE/DOCKET NUMBER:  TRV 2 009
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (216) 861-5582
CC        TELEFAX:  (216) 241-1666
CC        TELEX:  (216) 980162
CC    INFORMATION FOR SEQ ID NO:  1:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  1868 base pairs
CC        TYPE:  Nucleic acid
CC        STRANDEDNESS:  Single
CC        TOPOLOGY:  Linear
CC      MOLECULE TYPE:  Nucleotide-genomic DNA
CC      HYPOTHETICAL:  Not relevant
CC      ANTI-SENSE:  Not relevant
SQ   SEQUENCE 1868 BP; 524 A; 433 C; 576 G; 335 T; 0 OTHER.

  Query Match          42.7%;  Score 666;  DB 21;  Length 1868;
  Best Local Similarity 75.1%;  Pred. No. 0.00e+00;
  Matches 1110;  Conservative    0;  Mismatches 354;  Indels  15;  Gaps   6;
```

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Db    247 ATGGAGACCTTCGAAATCAATGATCCAGTGCCCAAGAAGAGAAATGGGGGGACCTTCTGC 306
Qy     76 ATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAACTTCTCC 135

Db    307 ATGGCAGTCATGGCCATCCACCTGATCCTGCTCACGGCAGGTACTGCACTGCTGCTGATT 366
Qy    136 CTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCGCTGGCGCTGGGCTGCTGGTGGTC 195

Db    367 CAAGTTCTCAATCTGCAGGAGCAGCTCCAGATGCTAGAGATGTGCTGTGGCAATGGATCA 426
Qy    196 CAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCCTGGAGATGTATTTCCTCAATGACACT 255

Db    427 CTAGCTATCGAGGACAAGCCCTTCTTCTC---GCTGCAGTGGGCAC--CCAAAACA-CAC 480
Qy    256 CTGGCGGCTGAGGACAGCCCGTCCTTCTCCTTGCTGCAGTCAGCACACCCTGGAGAACAC 315

Db    481 CTGGTACCTAGAGCACAGGGGCTGCAAGCCTTGCAGGCCCAGCTCAGCTGGGTCCATACC 540
Qy    316 CTGGCTCAGGGTGCATCGAGGCTGCAAGTCCTGCAGGCCCAACTCACCTGGGTCCGCGTC 375

Db    541 AGCCAGGAGCAACTCCGTCAGCAGTTCAACAACCTCACTCAAAATCCAGAGTTGTTCCAG 600
Qy    376 AGCCATGAGCACTTGCTGCAGCGGGTAGACAACTTCACTCAGAACCCAGGGATGTTCAGA 435

Db    601 ATTAAAGGTGAACGAGGCTCTCCAGGTC--CAA------AAGGGGCCCCGGGTGCT-CCT 651
Qy    436 ATCAAAGGTGAACAAGGCGCCCCAGGTCTTCAAGGTCACAAGGGGGCCATGGGCATGCCT 495

Db    652 GGAATCCCCGGGCTGCCTGGGCCAGCTGCTGAGAAGGGAGAAAAGGGGGCTGCAGGTCGT 711
Qy    496 GGTGCCCCTGGCCCGCCGGGACCACCTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGA 555

Db    712 GATGGAACCCCAGGTGTCCAAGGACCCCAGGGCCCACCAGGCAGCAAGGGAGAGGCAGGC 771
Qy    556 GATGGAGCAACAGGCCCCTCGGGACCCCAAGGCCCACCGGGAGTCAAGGGAGAGGCGGGC 615

Db    772 CTCCAGGGACTTACGGGTGCACCAGGGAAGCAAGGAGCAACTGGTGCTCCAGGACCTCGA 831
Qy    616 CTCCAAGGACCCCAGGGTGCTCCAGGGAAGCAAGGAGCCACTGGCACCCCAGGACCCCAA 675

Db    832 GGAGAGAAGGGCAGCAAAGGTGACATAGGTCTCACTGGCCCCAAGGGGGAACATGGCACC 891
Qy    676 GGAGAGAAGGGCAGCAAAGGCGATGGGGGTCTCATTGGCCCAAAAGGGGAAACTGGAACT 735

Db    892 AAGGGAGACAAAGGGGACCTAGGCCTTCCAGGAAACAAAGGGGACATGGGCATGAAGGGA 951
Qy    736 AAGGGAGAGAAAGGAGACCTGGGTCTCCCAGGAAGCAAAGGGGACAGGGGCATGAAAGGA 795

Db    952 GACACGGGGCCCATGGGGTCCCCTGGAGCTCAGGGAGGTAAAGGTGATGCTGGAAAACCA 1011
Qy    796 GATGCAGGGGTCATGGGGCCTCCTGGAGCCCAGGGGAGTAAAGGTGACTTCGGGAGGCCA 855

Db   1012 GGCCTACCAGGTTTGGCTGGATCTCCAGGAGTCAAAGGTGACCAAGGAAAACCTGGAGTG 1071
Qy    856 GGCCCACCAGGTTTGGCTGGTTTTCCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTG 915

Db   1072 CAGGGTGTTCCAGGCCCTCAAGGTGCACCAGGACTTTCAGGTGCCAAGGGTGAGCCAGGA 1131
Qy    916 CAGGGTGTTCCGGGCCCTCCTGGTGCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGC 975

Db   1132 CGCACTGGTCTTCCTGGGCCAGCAGGACCCCCGGGAATTGCTGGGAATCCAGGGATTGCA 1191
Qy    976 AGTGCTGGCTCCCCTGGGCGAGCAGGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACA 1035

Db   1192 GGTGTGAAAGGAAGCAAGGGTGACACAGGAATTCAAGGACAGAAAGGCACAAAAGGAGAA 1251
Qy   1036 GGCCTGAAAGGAAGCAAAGGGGACACAGGACTTCAAGGACAGCAAGGAAGAAAAGGAGAA 1095

Db   1252 TCAGGAGTCCCAGGTCTTGTAGGCAGAAAGGGAGACACTGGAAGCCCTGGGCTGGCAGGT 1311
Qy   1096 TCAGGAGTTCCAGGCCCTGCAGGTGTGAAGGGAGAACAGGGGAGCCCAGGGCTGGCAGGT 1155

Db   1312 CCCAAAGGAGAACCTGGACGAGTCGGTCAGAAGGGAGACCCGGGGATGAAAGGGTCTTCT 1371
Qy   1156 CCCAAGGGAGCCCCTGGACAAGCTGGCCAGAAGGGAGACCAGGGAGTGAAAGGATCTTCT 1215

Db   1372 GGCCAGCAAGGACAAAAGGGAGAAAAGGGTCAAAAAGGCGAATCTTTCCAACGCGTCCGG 1431
Qy   1216 GGGGAGCAAGGAGTAAAGGGAGAAAAAGGTGAAAGAGGTGAAAACTCAGTGTCCGTCAGG 1275

Db   1432 ATCATGGGTGGCACCAACAGAGGCCGAGCTGAAGTTTACTATAACAATGAGTGGGGGACA 1491
Qy   1276 ATTGTCGGCAGTAGTAACCGAGGCCGGGCTGAAGTTTACTACAGTGGTACCTGGGGGACA 1335

Db   1492 ATTTGTGATGATGATTGGGATAATAATGATGCGACTGTCTTCTGTCGCATGCTCGGTTAC 1551
Qy   1336 ATTTGCGATGACGAGTGGCAAAATTCTGATGCCATTGTCTTCTGCCGCATGCTGGGTTAC 1395

Db   1552 TCCAGAGGGAGAGCACTTAGCAGCTATGGAGGTGGCTCTGGGAACATCTGGCTGGACAAT 1611
Qy   1396 TCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCAGATCTGGCTGGATAAT 1455

Db   1612 GTGAATTGTCGGGGCACAGAGAACAGTTTGTGGGACTGCAGTAAGAACTCCTGGGGCAAT 1671
Qy   1456 GTTCAGTGTCGGGGCACGGAGAGTACCCTGTGGAGCTGCACCAAGAATAGCTGGGGCCAT 1515

Db   1672 CACAATTGCGTACATAATGAAGATGCGGGTGTGGAATGC 1710
Qy   1516 CATGACTGCAGCCACGAGGAGGACGCAGGCGTGGAGTGC 1554
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RESULT    7
ID   US-09-057-719-358 STANDARD; DNA; UNC; 311 BP.
AC   xxxxxx
DT
DE   Sequence 358, Application US/09057719
CC   Sequence 358, Application US/09057719
CC    GENERAL INFORMATION:
CC      APPLICANT:  Edwards, Jean-Baptiste Dumas Milne
CC      APPLICANT:  Duclert, Aymeric
CC      TITLE OF INVENTION:  EXPRESSED SEQUENCE TAGS FOR SECRETED
CC      TITLE OF INVENTION:  PROTEINS
CC      NUMBER OF SEQUENCES:  1207
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Knobbe, Martens, Olson & Bear
CC        STREET:  501 West Broadway
CC        CITY:  San Diego
CC        STATE:  California
CC        COUNTRY:  USA
CC        ZIP:  92101-3505
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy Disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  Win95
CC        SOFTWARE:  Word
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/09/057,719
CC        FILING DATE:
CC        CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Israelsen, Ned A.
CC        REGISTRATION NUMBER:  29,655
CC        REFERENCE/DOCKET NUMBER:  GENSET.025A
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (619) 235-8550
CC        TELEFAX:  (619) 235-0176
CC    INFORMATION FOR SEQ ID NO:  358:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  311 base pairs
CC        TYPE:  NUCLEIC ACID
CC        STRANDEDNESS:  DOUBLE
CC        TOPOLOGY:  LINEAR
CC      MOLECULE TYPE:  CDNA
CC      ORIGINAL SOURCE:
CC        ORGANISM:  Homo Sapiens
```

04/8/98

```
CC       TISSUE TYPE:  Liver
CC     FEATURE:
CC       NAME/KEY:  sig_peptide
CC       LOCATION:  62..172
CC       IDENTIFICATION METHOD:  Von Heijne matrix
CC       OTHER INFORMATION:  score 5.6
CC       OTHER INFORMATION:  seq VIYLILLTAGAGL/LV
SQ   SEQUENCE 311 BP; 65 A; 87 C; 85 G; 73 T; 1 OTHER.

  Query Match           19.8%;  Score 309;  DB 24;  Length 311;
  Best Local Similarity  99.4%;  Pred. No. 2.32e-284;
  Matches   309;  Conservative    1;  Mismatches   1;  Indels   0;  Gaps   0;

Db      1 AATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCCAACAAGCTGCTTTTCACCAAATTGC 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     15 AATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCCAACAAGCTGCTTTTCACCAAATTGC 74

Db     61 AATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGGAGAMATGGGGTGAACTTCTC 120
          ||||||||||||||||||||||||||||||||||||||||||:|||||||||||||||||
Qy     75 AATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAACTTCTC 134

Db    121 CCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCGCTGGCGCTGGGCTGCTGGTGGT 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    135 CCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCGCTGGCGCTGGGCTGCTGGTGGT 194

Db    181 CCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCCTGGAGATGTATTTCCTCAATGACAC 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    195 CCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCCTGGAGATGTATTTCCTCAATGACAC 254

Db    241 TCTGGCGGCTGAGGACAGCCCGTCCTTCTCCTTGCTGCAGTCAGCACACCCTGGAGAACA 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    255 TCTGGCGGCTGAGGACAGCCCGTCCTTCTCCTTGCTGCAGTCAGCACACCCTGGAGAACA 314

Db    301 CCTGGCTCGGG 311
          |||||||| ||
Qy    315 CCTGGCTCAGG 325


RESULT    8
ID   US-08-801-504-148 STANDARD; DNA; UNC; 269 BP.
AC   xxxxxx
DT
DE   Sequence 148, Application US/08801504
CC   Sequence 148, Application US/08801504
CC    GENERAL INFORMATION:
CC      APPLICANT:  Stuart, Susan G.
CC      APPLICANT:  Gooding, Douglas H.
CC      APPLICANT:  John C. Lane
CC      APPLICANT:  Angelo M. Delegeane
CC      APPLICANT:  James I. Snable
CC      TITLE OF INVENTION:  POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
CC      TITLE OF INVENTION:  OSTEOARTHRITIC SYNOVIUM
CC      NUMBER OF SEQUENCES:  2850
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
CC        STREET:  3174 PORTER DRIVE
CC        CITY:  PALO ALTO
CC        STATE:  CALIFORNIA
CC        COUNTRY:  USA
CC        ZIP:  94304
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  Word Perfect 6.1 for Windows/MS-DOS 6.2
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/801,504
CC        FILING DATE:  HEREWITH
CC        CLASSIFICATION:  435
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  60/009,710
CC        FILING DATE:  DECEMBER 19, 1995
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  60/010,009
CC        FILING DATE:  January 4, 1996
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  CERRONE, MICHAEL C.
CC        REGISTRATION NUMBER:  39,132
CC        REFERENCE/DOCKET NUMBER:  PD-0099 US
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (415) 855-0555
CC        TELEFAX:  (415) 845-4166
CC     INFORMATION FOR SEQ ID NO:  148:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  269 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  cDNA
CC      IMMEDIATE SOURCE:
CC        CLONE:  722411
SQ   SEQUENCE 269 BP; 48 A; 82 C; 80 G; 59 T; 0 OTHER.

  Query Match           17.2%;  Score 269;  DB 21;  Length 269;
  Best Local Similarity 100.0%;  Pred. No. 4.20e-242;
  Matches   269;  Conservative    0;  Mismatches   0;  Indels   0;  Gaps   0;

Db      1 AAGCCCAAGAGGAGAAATGGGGTGAACTTCTCCCTAGCTGTGGTGGTCATCTACCTGATC 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    103 AAGCCCAAGAGGAGAAATGGGGTGAACTTCTCCCTAGCTGTGGTGGTCATCTACCTGATC 162

Db     61 CTGCTCACCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTC 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    163 CTGCTCACCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTC 222

Db    121 CGGGTCCTGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCCTTC 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    223 CGGGTCCTGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCCTTC 282

Db    181 TCCTTGCTGCAGTCAGCACACCCTGGAGAACACCTGGCTCAGGGTGCATCGAGGCTGCAA 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    283 TCCTTGCTGCAGTCAGCACACCCTGGAGAACACCTGGCTCAGGGTGCATCGAGGCTGCAA 342

Db    241 GTCCTGCAGGCCCAACTCACCTGGGTCCG 269
          |||||||||||||||||||||||||||||
Qy    343 GTCCTGCAGGCCCAACTCACCTGGGTCCG 371


RESULT    9
ID   US-60-039-051-1236 STANDARD; DNA; UNC; 252 BP.
AC   xxxxxx
DT
DE   Sequence 1236, Application US/60039051
CC   Sequence 1236, Application US/60039051
CC    GENERAL INFORMATION:
CC      APPLICANT:  Gooding, Douglas H.
CC      APPLICANT:  Stuve, Laura L.
CC      APPLICANT:  Stuart, Susan G.
CC      APPLICANT:  Ito, Laura Y.
CC      APPLICANT:  Akerblom, Ingrid E.
CC      APPLICANT:  Delegeane, Angelo M.
CC      APPLICANT:  Naughton, Rebecca E.
CC      APPLICANT:  Klingler, Tod M.
CC      TITLE OF INVENTION:  POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
CC      TITLE OF INVENTION:  HUMAN LUNG
CC      NUMBER OF SEQUENCES:  1811
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
CC        STREET:  3174 PORTER DRIVE
CC        CITY:  PALO ALTO
CC        STATE:  CALIFORNIA
CC        COUNTRY:  USA
CC        ZIP:  94304
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
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CC       OPERATING SYSTEM:  PC-DOS/MS-DOS
CC       SOFTWARE:  Word Perfect 6.1 for Windows/MS-DOS 6.2
CC     CURRENT APPLICATION DATA:
CC       APPLICATION NUMBER:  US/60/039,051
CC       FILING DATE:
CC       CLASSIFICATION:
CC     ATTORNEY/AGENT INFORMATION:
CC       NAME:  CERRONE, MICHAEL C.
CC       REGISTRATION NUMBER:  39,132
CC       REFERENCE/DOCKET NUMBER:  PD-0328P
CC     TELECOMMUNICATION INFORMATION:
CC       TELEPHONE:  (415) 855-0555
CC       TELEFAX:  (415) 845-4166
CC   INFORMATION FOR SEQ ID NO:  1236:
CC     SEQUENCE CHARACTERISTICS:
CC       LENGTH:  252 base pairs
CC       TYPE:  nucleic acid
CC       STRANDEDNESS:  single
CC       TOPOLOGY:  linear
CC     MOLECULE TYPE:  cDNA
CC     IMMEDIATE SOURCE:
CC       CLONE:  2591776H1
SQ   SEQUENCE 252 BP; 70 A; 54 C; 96 G; 32 T; 0 OTHER.

  Query Match          16.2%;  Score 252;  DB 5;  Length 252;
  Best Local Similarity 100.0%;  Pred. No. 3.24e-224;
  Matches  252;  Conservative    0;  Mismatches   0;  Indels   0;  Gaps   0;

Db      1 GGAGCCACTGGCACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAAGGCGATGGGGGTCTC 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    649 GGAGCCACTGGCACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAAGGCGATGGGGGTCTC 708

Db     61 ATTGGCCCAAAAGGGGAAACTGGAACTAAGGGAGAGAAAGGAGACCTGGGTCTCCCAGGA 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    709 ATTGGCCCAAAAGGGGAAACTGGAACTAAGGGAGAGAAAGGAGACCTGGGTCTCCCAGGA 768

Db    121 AGCAAAGGGGACAGGGGCATGAAAGGAGATGCAGGGGTCATGGGGCCTCCTGGAGCCCAG 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    769 AGCAAAGGGGACAGGGGCATGAAAGGAGATGCAGGGGTCATGGGGCCTCCTGGAGCCCAG 828

Db    181 GGGAGTAAAGGTGACTTCGGGAGGCCAGGCCCACCAGGTTTGGCTGGTTTTCCTGGAGCT 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    829 GGGAGTAAAGGTGACTTCGGGAGGCCAGGCCCACCAGGTTTGGCTGGTTTTCCTGGAGCT 888

Db    241 AAAGGAGATCAA 252
          ||||||||||||
Qy    889 AAAGGAGATCAA 900


RESULT   10
ID   US-08-808-904-5073 STANDARD; DNA; UNC; 250 BP.
AC   xxxxxx
DT
DE   Sequence 5073, Application US/08808904
CC   Sequence 5073, Application US/08808904
CC    GENERAL INFORMATION:
CC      APPLICANT:  Gooding, Douglas H.
CC      APPLICANT:  Stuve, Laura L.
CC      APPLICANT:  Stuart, Susan G.
CC      APPLICANT:  Ito, Laura Y.
CC      APPLICANT:  Akerblom, Ingrid E.
CC      APPLICANT:  Delegeane, Angelo M.
CC      APPLICANT:  Naughton, Rebecca E.
CC      APPLICANT:  Klingler, Tod M.
CC      TITLE OF INVENTION:  POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
CC      TITLE OF INVENTION:  ASTHMATIC LUNG
CC      NUMBER OF SEQUENCES:  5094
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
CC        STREET:  3174 PORTER DRIVE
CC        CITY:  PALO ALTO
CC        STATE:  CALIFORNIA
CC        COUNTRY:  USA
CC        ZIP:  94304
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  Word Perfect 6.1 for Windows/MS-DOS 6.2
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/808,904
CC        FILING DATE:  HEREWITH
CC        CLASSIFICATION:  536
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  60/012,698
CC        FILING DATE:  FEBRUARY 29, 1996
CC        CLASSIFICATION:  536
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  60/013,365
CC        FILING DATE:  MARCH 13, 1996
CC        CLASSIFICATION:  536
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  60/027,122
CC        FILING DATE:  SEPTEMBER 27, 1996
CC        CLASSIFICATION:  536
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  CERRONE, MICHAEL C.
CC        REGISTRATION NUMBER:  39,132
CC        REFERENCE/DOCKET NUMBER:  PD-0120 US
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (415) 855-0555
CC        TELEFAX:  (415) 845-4166
CC    INFORMATION FOR SEQ ID NO:  5073:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  250 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  cDNA
CC      IMMEDIATE SOURCE:
CC        CLONE:  1989038
SQ   SEQUENCE 250 BP; 58 A; 54 C; 82 G; 56 T; 0 OTHER.

  Query Match          16.0%;  Score 250;  DB 21;  Length 250;
  Best Local Similarity 100.0%;  Pred. No. 4.10e-222;
  Matches  250;  Conservative    0;  Mismatches   0;  Indels   0;  Gaps   0;

Db      1 ATTGTCGGCAGTAGTAACCGAGGCCGGGCTGAAGTTTACTACAGTGGTACCTGGGGGACA 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1276 ATTGTCGGCAGTAGTAACCGAGGCCGGGCTGAAGTTTACTACAGTGGTACCTGGGGGACA 1335

Db     61 ATTTGCGATGACGAGTGGCAAAATTCTGATGCCATTGTCTTCTGCCGCATGCTGGGTTAC 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1336 ATTTGCGATGACGAGTGGCAAAATTCTGATGCCATTGTCTTCTGCCGCATGCTGGGTTAC 1395

Db    121 TCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCAGATCTGGCTGGATAAT 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1396 TCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCAGATCTGGCTGGATAAT 1455

Db    181 GTTCAGTGTCGGGGCACGGAGAGTACCCTGTGGAGCTGCACCAAGAATAGCTGGGGCCAT 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1456 GTTCAGTGTCGGGGCACGGAGAGTACCCTGTGGAGCTGCACCAAGAATAGCTGGGGCCAT 1515

Db    241 CATGACTGCA 250
          ||||||||||
Qy   1516 CATGACTGCA 1525


RESULT   11
ID   US-08-770-384-3424 STANDARD; DNA; UNC; 251 BP.
AC   xxxxxx
DT
DE   Sequence 3424, Application US/08770384
CC   Sequence 3424, Application US/08770384
CC    GENERAL INFORMATION:
CC      APPLICANT:  Stuart, Susan G.
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CC      APPLICANT:  Gooding, Douglas H.
CC      APPLICANT:  Lane, John C.
CC      APPLICANT:  Delegeane, Angelo M.
CC      APPLICANT:  Snable, John L.
CC      TITLE OF INVENTION:  POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
CC      TITLE OF INVENTION:  RHEUMATOID SYNOVIUM
CC      NUMBER OF SEQUENCES:  5501
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
CC        STREET:  3174 PORTER DRIVE
CC        CITY:  PALO ALTO
CC        STATE:  CALIFORNIA
CC        COUNTRY:  USA
CC        ZIP:  94304
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  Word Perfect 6.1 for Windows/MS-DOS 6.2
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/770,384
CC        FILING DATE:  HEREWITH
CC        CLASSIFICATION:  435
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  60/009,486
CC        FILING DATE:  December 15, 1995
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  60/009,132
CC        FILING DATE:  DECEMBER 22, 1995
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  CERRONE, MICHAEL C.
CC        REGISTRATION NUMBER:  39,132
CC        REFERENCE/DOCKET NUMBER:  PD-0096 US
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (415) 855-0555
CC        TELEFAX:  (415) 845-4166
CC    INFORMATION FOR SEQ ID NO:  3424:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  251 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  cDNA
CC      IMMEDIATE SOURCE:
CC        CLONE:  705645
SQ   SEQUENCE 251 BP; 48 A; 69 C; 67 G; 63 T; 4 OTHER.

  Query Match           15.8%;  Score 247;  DB 20;  Length 251;
  Best Local Similarity  98.4%;  Pred. No. 5.79e-219;
  Matches   247;  Conservative    0;  Mismatches   4;  Indels   0;  Gaps   0;

Db      1 GCTGCTTTTCACCAAATTGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGG 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     55 GCTGCTTTTCACCAAATTGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGG 114

Db     61 AGAAATGGGGTGAACTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCGCT 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    115 AGAAATGGGGTGAACTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCGCT 174

Db    121 GGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGNGGCTCCGGGTCCTGGAG 180
          |||||||||||||||||||||||||||||||||||| ||||||||||||||||||||||
Qy    175 GGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCCTGGAG 234

Db    181 ATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCCTTCTNCTTGCTGCAG 240
          |||||||||||||||||||||||||||||||||||||||||||||||| |||||||||||
Qy    235 ATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCCTTCTCCTTGCTGCAG 294

Db    241 TCAGNACANCC 251
          |||| ||| ||
Qy    295 TCAGCACACCC 305


RESULT  12
ID   US-09-016-434-839 STANDARD; DNA; UNC; 246 BP.
AC   xxxxxx
DT
DE   Sequence 839, Application US/09016434
CC   Sequence 839, Application US/09016434
CC    GENERAL INFORMATION:
CC      APPLICANT:  Janice Au-Young
CC      APPLICANT:  Jeffrey J. Seilhamer
CC      TITLE OF INVENTION:  COMPOSITION FOR THE DETECTION OF SIGNALING
CC      TITLE OF INVENTION:  PATHWAY GENE EXPRESSION
CC      NUMBER OF SEQUENCES:  1490
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
CC        STREET:  3174 PORTER DRIVE
CC        CITY:  PALO ALTO
CC        STATE:  CALIFORNIA
CC        COUNTRY:  USA
CC        ZIP:  94304
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  Word Perfect 6.1 for Windows/MS-DOS 6.2
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/09/016,434
CC        FILING DATE:  HEREWITH
CC        CLASSIFICATION:
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:
CC        FILING DATE:
CC        CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Zeller, Karen J.
CC        REGISTRATION NUMBER:  37,071
CC        REFERENCE/DOCKET NUMBER:  PA-0002 US
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (650) 855-0555
CC        TELEFAX:  (650) 845-4166
CC    INFORMATION FOR SEQ ID NO:  839:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  246 base pairs
CC        TYPE:  nucleic acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      IMMEDIATE SOURCE:
CC        LIBRARY:  MMLR3DT01
CC        CLONE:  569648
SQ   SEQUENCE 246 BP; 69 A; 44 C; 82 G; 49 T; 2 OTHER.

  Query Match           15.5%;  Score 242;  DB 23;  Length 246;
  Best Local Similarity  98.8%;  Pred. No. 1.02e-213;
  Matches   243;  Conservative    0;  Mismatches   3;  Indels   0;  Gaps   0;

Db      1 GGGAGACCAGGGAGTGAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAGAAAAAGGTGA 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1188 GGGAGACCAGGGAGTGAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAGAAAAAGGTGA 1247

Db     61 AAGAGGTGAAAACTCAGTGTCCGTCAAGATTNTCGGCAGTAGTAACCGAGGCCGGGCTGA 120
          |||||||||||||||||||||||||| |||| ||||||||||||||||||||||||||||
Qy   1248 AAGAGGTGAAAACTCAGTGTCCGTCAGGATTGTCGGCAGTAGTAACCGAGGCCGGGCTGA 1307

Db    121 AGTTTACTACAGTGGTACCTGGGGGACAATTTGCGATGACGAGTGGCAAAATTCTGATGC 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1308 AGTTTACTACAGTGGTACCTGGGGGACAATTTGCGATGACGAGTGGCAAAATTCTGATGC 1367

Db    181 CATTGTCTTCTGCCGCATGCTGGGTTACTCCAAAGGAAGGGCCCTGTACAAAGTGGGAGC 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1368 CATTGTCTTCTGCCGCATGCTGGGTTACTCCAAAGGAAGGGCCCTGTACAAAGTGGGAGC 1427

Db    241 TNGCAC 246
          | ||||
Qy   1428 TGGCAC 1433
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RESULT  13
ID  US-60-051-749-163 STANDARD; DNA; UNC; 241 BP.
AC  XXXXXX
DT
DE  Sequence 163, Application US/60051749
CC  Sequence 163, Application US/60051749
CC   GENERAL INFORMATION:
CC     APPLICANT:  Gooding, Douglas H.
CC     APPLICANT:  Stuart, Susan G.
CC     APPLICANT:  Ito, Laura Y.
CC     APPLICANT:  Naughton, Rebecca E.
CC     TITLE OF INVENTION:  POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
CC     TITLE OF INVENTION:  HUMAN LUNG
CC     NUMBER OF SEQUENCES:  3617
CC     CORRESPONDENCE ADDRESS:
CC       ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
CC       STREET:  3174 PORTER DRIVE
CC       CITY:  PALO ALTO
CC       STATE:  CALIFORNIA
CC       COUNTRY:  USA
CC       ZIP:  94304
CC     COMPUTER READABLE FORM:
CC       MEDIUM TYPE:  Floppy disk
CC       COMPUTER:  IBM PC compatible
CC       OPERATING SYSTEM:  PC-DOS/MS-DOS
CC       SOFTWARE:  Word Perfect 6.1 for Windows/MS-DOS 6.2
CC     CURRENT APPLICATION DATA:
CC       APPLICATION NUMBER:  US/60/051,749
CC       FILING DATE:  HEREWITH
CC       CLASSIFICATION:
CC     ATTORNEY/AGENT INFORMATION:
CC       NAME:  CERRONE, MICHAEL C.
CC       REGISTRATION NUMBER:  39,132
CC       REFERENCE/DOCKET NUMBER:  PD-0388P
CC     TELECOMMUNICATION INFORMATION:
CC       TELEPHONE:  (415) 855-0555
CC       TELEFAX:  (415) 845-4166
CC    INFORMATION FOR SEQ ID NO:  163:
CC     SEQUENCE CHARACTERISTICS:
CC       LENGTH:  241 base pairs
CC       TYPE:  nucleic acid
CC       STRANDEDNESS:  single
CC       TOPOLOGY:  linear
CC     MOLECULE TYPE:  cDNA
CC     IMMEDIATE SOURCE:
CC       CLONE:  2684337H1
SQ  SEQUENCE 241 BP; 57 A; 61 C; 64 G; 59 T; 0 OTHER.

  Query Match          15.4%;  Score 241;  DB 7;  Length 241;
  Best Local Similarity 100.0%;  Pred. No. 1.15e-212;
  Matches  241;  Conservative    0;  Mismatches   0;  Indels   0;  Gaps   0;

Db      1 AAAATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCCAACAAGCTGCTTTTCACCAAATT 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     13 AAAATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCCAACAAGCTGCTTTTCACCAAATT 72

Db     61 GCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAACTTC 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     73 GCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAACTTC 132

Db    121 TCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCGCTGGCGCTGGGCTGCTGGTG 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    133 TCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCGCTGGCGCTGGGCTGCTGGTG 192

Db    181 GTCCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCCTGGAGATGTATTTCCTCAATGAC 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    193 GTCCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCCTGGAGATGTATTTCCTCAATGAC 252

Db    241 A 241
          |
Qy    253 A 253
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RESULT  14
ID  US-08-810-326-2282 STANDARD; DNA; UNC; 242 BP.
AC  XXXXXX
DT
DE  Sequence 2282, Application US/08810326
CC  Sequence 2282, Application US/08810326
CC   GENERAL INFORMATION:
CC     APPLICANT:  Gooding, Douglas H.
CC     APPLICANT:  Stuve, Laura L.
CC     APPLICANT:  Stuart, Susan G.
CC     APPLICANT:  Ito, Laura Y.
CC     APPLICANT:  Akerblom, Ingrid E.
CC     APPLICANT:  Delegeane, Angelo M.
CC     APPLICANT:  Naughton, Rebecca E.
CC     APPLICANT:  Klingler, Tod M.
CC     TITLE OF INVENTION:  POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
CC     TITLE OF INVENTION:  HUMAN LUNG
CC     NUMBER OF SEQUENCES:  3314
CC     CORRESPONDENCE ADDRESS:
CC       ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
CC       STREET:  3174 PORTER DRIVE
CC       CITY:  PALO ALTO
CC       STATE:  CALIFORNIA
CC       COUNTRY:  USA
CC       ZIP:  94304
CC     COMPUTER READABLE FORM:
CC       MEDIUM TYPE:  Floppy disk
CC       COMPUTER:  IBM PC compatible
CC       OPERATING SYSTEM:  PC-DOS/MS-DOS
CC       SOFTWARE:  Word Perfect 6.1 for Windows/MS-DOS 6.2
CC     CURRENT APPLICATION DATA:
CC       APPLICATION NUMBER:  US/08/810,326
CC       FILING DATE:  HEREWITH
CC       CLASSIFICATION:  435
CC     PRIOR APPLICATION DATA:
CC       APPLICATION NUMBER:  60/012,699
CC       FILING DATE:  FEBRUARY 29, 1996
CC       CLASSIFICATION:  435
CC     PRIOR APPLICATION DATA:
CC       APPLICATION NUMBER:  60/015,173
CC       FILING DATE:  APRIL 10, 1996
CC       CLASSIFICATION:  435
CC     ATTORNEY/AGENT INFORMATION:
CC       NAME:  CERRONE, MICHAEL C.
CC       REGISTRATION NUMBER:  39,132
CC       REFERENCE/DOCKET NUMBER:  PD-0121 US
CC     TELECOMMUNICATION INFORMATION:
CC       TELEPHONE:  (415) 855-0555
CC       TELEFAX:  (415) 845-4166
CC    INFORMATION FOR SEQ ID NO:  2282:
CC     SEQUENCE CHARACTERISTICS:
CC       LENGTH:  242 base pairs
CC       TYPE:  nucleic acid
CC       STRANDEDNESS:  single
CC       TOPOLOGY:  linear
CC     MOLECULE TYPE:  cDNA
CC     IMMEDIATE SOURCE:
CC       CLONE:  766295
SQ  SEQUENCE 242 BP; 48 A; 66 C; 64 G; 63 T; 1 OTHER.

  Query Match          15.3%;  Score 239;  DB 21;  Length 242;
  Best Local Similarity 99.2%;  Pred. No. 1.43e-210;
  Matches  240;  Conservative    0;  Mismatches   2;  Indels   0;  Gaps   0;

Db      1 CAACAAGCTGCTTTTCACCAAATTGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCC 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     49 CAACAAGCTGCTTTTCACCAAATTGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCC 108

Db     61 AAGAGGAGAAATGGGGTGAACTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTC 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    109 AAGAGGAGAAATGGGGTGAACTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTC 168
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Db    121 ACCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTC 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    169 ACCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTC 228

Db    181 CTGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCCTTNTTCTTG 240
          |||||||||||||||||||||||||||||||||||||||||||||||| | ||||
Qy    229 CTGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCCTTCTCCTTG 288

Db    241 CT 242
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Qy    289 CT 290


RESULT  15
ID  US-08-770-384-3302 STANDARD; DNA; UNC; 228 BP.
AC  xxxxxx
DT
DE  Sequence 3302, Application US/08770384
CC  Sequence 3302, Application US/08770384
CC   GENERAL INFORMATION:
CC     APPLICANT:  Stuart, Susan G.
CC     APPLICANT:  Gooding, Douglas H.
CC     APPLICANT:  Lane, John C.
CC     APPLICANT:  Delegeane, Angelo M.
CC     APPLICANT:  Snable, John L.
CC     TITLE OF INVENTION:  POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM
CC     TITLE OF INVENTION:  RHEUMATOID SYNOVIUM
CC     NUMBER OF SEQUENCES:  5501
CC     CORRESPONDENCE ADDRESS:
CC       ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
CC       STREET:  3174 PORTER DRIVE
CC       CITY:  PALO ALTO
CC       STATE:  CALIFORNIA
CC       COUNTRY:  USA
CC       ZIP:  94304
CC     COMPUTER READABLE FORM:
CC       MEDIUM TYPE:  Floppy disk
CC       COMPUTER:  IBM PC compatible
CC       OPERATING SYSTEM:  PC-DOS/MS-DOS
CC       SOFTWARE:  Word Perfect 6.1 for Windows/MS-DOS 6.2
CC     CURRENT APPLICATION DATA:
CC       APPLICATION NUMBER:  US/08/770,384
CC       FILING DATE:  HEREWITH
CC       CLASSIFICATION:  435
CC     PRIOR APPLICATION DATA:
CC       APPLICATION NUMBER:  60/009,486
CC       FILING DATE:  December 15, 1995
CC     PRIOR APPLICATION DATA:
CC       APPLICATION NUMBER:  60/009,132
CC       FILING DATE:  DECEMBER 22, 1995
CC     ATTORNEY/AGENT INFORMATION:
CC       NAME:  CERRONE, MICHAEL C.
CC       REGISTRATION NUMBER:  39,132
CC       REFERENCE/DOCKET NUMBER:  PD-0096 US
CC     TELECOMMUNICATION INFORMATION:
CC       TELEPHONE:  (415) 855-0555
CC       TELEFAX:  (415) 845-4166
CC    INFORMATION FOR SEQ ID NO:  3302:
CC     SEQUENCE CHARACTERISTICS:
CC       LENGTH:  228 base pairs
CC       TYPE:  nucleic acid
CC       STRANDEDNESS:  single
CC       TOPOLOGY:  linear
CC     MOLECULE TYPE:  cDNA
CC     IMMEDIATE SOURCE:
CC       CLONE:  705186
SQ  SEQUENCE 228 BP; 48 A; 61 C; 63 G; 56 T; 0 OTHER.

  Query Match          14.6%;  Score 228;  DB 20;  Length 228;
  Best Local Similarity 100.0%;  Pred. No. 4.75e-199;
  Matches  228;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

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Db     61 AGAGGAGAAATGGGGTGAACTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCA 120
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Qy    110 AGAGGAGAAATGGGGTGAACTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCA 169

Db    121 CCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCC 180
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Qy    170 CCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCC 229

Db    181 TGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGT 228
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Search completed: Fri Sep 11 07:38:26 1998
Job time : 2292 secs.
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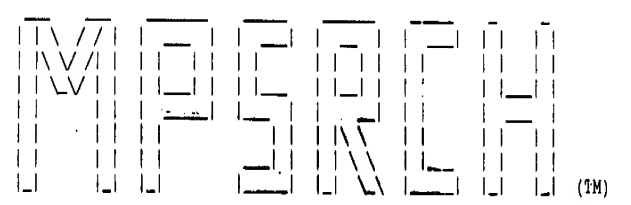

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Release 3.1A John F. Collins, Biocomputing Research Unit.

MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

Run on: Fri Sep 11 06:56:53 1998; MasPar time 5.44 Seconds
675.321 Million cell updates/sec

Tabular output not generated.

Title: >US-08-794-795-6
Description: (1-520) from US08794795.pep
Perfect Score: 3665
Sequence: 1 MRNKKILKEDELLSETQQAA.....NSWGHHDCSHEEDAGVECSV 520

Scoring table: PAM 150
Gap 11

Searched: 77021 seqs, 7058996 residues

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database: a-issued
1:5_COMB 2:PCT9_COMB 3:backfiles1

Statistics: Mean 32.821; Variance 173.861; scale 0.189

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description	Pred. No.
1	2414	65.9	518	1	US-08-392-	Sequence 2, Applicatio	3.69e-182
2	796	21.7	357	1	US-08-642-	Sequence 33, Applicati	5.31e-52
3	796	21.7	357	1	US-07-609-	Sequence 66, Applicati	5.31e-52
4	793	21.6	1077	1	US-08-642-	Sequence 95, Applicati	9.17e-52
5	793	21.6	1077	1	US-07-972-	Sequence 82, Applicati	9.17e-52
6	771	21.0	1064	1	US-08-642-	Sequence 62, Applicati	5.05e-50
7	757	20.7	408	1	US-07-609-	Sequence 65, Applicati	6.45e-49
8	755	20.6	777	1	US-08-642-	Sequence 53, Applicati	9.28e-49
9	739	20.2	561	1	US-08-642-	Sequence 52, Applicati	1.70e-47
10	734	20.0	1442	2	PCT-US95-0	Sequence 12, Applicati	4.23e-47
11	731	19.9	330	1	US-08-642-	Sequence 32, Applicati	7.29e-47
12	722	19.7	417	1	US-08-175-	Sequence 69, Applicati	3.74e-46
13	722	19.7	417	1	US-08-477-	Sequence 104, Applicat	3.74e-46
14	722	19.7	417	1	US-08-642-	Sequence 102, Applicat	3.74e-46
15	722	19.7	837	1	US-08-642-	Sequence 101, Applicat	3.74e-46
16	722	19.7	837	1	US-08-175-	Sequence 68, Applicati	3.74e-46
17	722	19.7	837	1	US-08-477-	Sequence 103, Applicat	3.74e-46
18	722	19.7	897	1	US-08-397-	Sequence 50, Applicati	3.74e-46
19	720	19.6	633	1	US-08-642-	Sequence 73, Applicati	5.38e-46
20	720	19.6	829	1	US-08-397-	Sequence 53, Applicati	5.38e-46
21	720	19.6	829	1	US-08-642-	Sequence 132, Applicat	5.38e-46
22	703	19.2	1065	1	US-08-642-	Sequence 72, Applicati	1.18e-44
23	693	18.9	252	1	US-08-642-	Sequence 61, Applicati	7.23e-44
24	684	18.7	682	1	US-08-397-	Sequence 36, Applicati	3.69e-43
25	684	18.7	682	1	US-08-642-	Sequence 126, Applicat	3.69e-43
26	674	18.4	546	1	US-08-494-	Sequence 10, Applicati	2.26e-42
27	667	18.2	684	1	US-08-555-	Sequence 12, Applicati	8.03e-42
28	649	17.7	532	1	US-08-494-	Sequence 9, Applicatio	2.09e-40
29	645	17.6	234	1	US-08-642-	Sequence 51, Applicati	4.30e-40
30	629	17.2	1065	1	US-08-642-	Sequence 80, Applicati	7.75e-39
31	629	17.2	1065	2	PCT-US96-0	Sequence 16, Applicati	7.75e-39
32	609	16.6	762	1	US-08-397-	Sequence 26, Applicati	2.86e-37
33	609	16.6	762	1	US-08-642-	Sequence 114, Applicat	2.86e-37
34	603	16.5	762	1	US-08-642-	Sequence 120, Applicat	8.44e-37
35	603	16.5	762	1	US-08-397-	Sequence 31, Applicati	8.44e-37
36	606	16.5	1694	1	US-08-494-	Sequence 2, Applicatio	4.91e-37
37	598	16.3	540	1	US-08-383-	Sequence 5, Applicatio	2.08e-36
38	598	16.3	540	1	US-08-383-	Sequence 5, Applicatio	2.08e-36
39	598	16.3	540	1	US-08-383-	Sequence 5, Applicatio	2.08e-36
40	597	16.3	543	1	US-08-383-	Sequence 16, Applicati	2.49e-36
41	597	16.3	543	1	US-08-383-	Sequence 16, Applicati	2.49e-36
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43	595	16.2	270	1	US-08-383-	Sequence 15, Applicati	3.57e-36
44	595	16.2	273	1	US-08-383-	Sequence 3, Applicatio	3.57e-36
45	595	16.2	285	1	US-08-383-	Sequence 20, Applicati	3.57e-36

ALIGNMENTS

RESULT 1
ID US-08-392-367B-2 STANDARD; PRT; 518 AA.
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AC xxxxxx
XX
DT
XX
DE Sequence 2, Application US/08392367B
XX
CC Sequence 2, Application US/08392367B
CC Patent No. 5691197
CC GENERAL INFORMATION:
CC APPLICANT: Tryggvason, Karl
CC APPLICANT: Elomaa, Outi
CC APPLICANT: Kangas, Maarit
CC TITLE OF INVENTION: An Insolated DNA Sequence For a
CC Patent No. 5691197
CC TITLE OF INVENTION: No. 5691197el Macrophage Receptor with
CC TITLE OF INVENTION: a Collagenous Domain and the
CC TITLE OF INVENTION: Polypeptide Chain Encoded by
CC TITLE OF INVENTION: such a Sequence
CC NUMBER OF SEQUENCES: 2
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Fay, Sharpe, Beall, Fagan,
CC ADDRESSEE: Minnich & McKee
CC STREET: 1100 Superior Avenue
CC STREET: Suite 700
CC CITY: Cleveland
CC STATE: Ohio
CC COUNTRY: U.S.A.
CC ZIP: 44114-2518
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Diskette, 3.50 inch,
CC MEDIUM TYPE: 720 Kb storable
CC COMPUTER: IBM PS/2, Model 35 SX
CC OPERATING SYSTEM: DOS 5.0
CC SOFTWARE: Word Perfect 5.1
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/392,367B
CC FILING DATE:
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Minnich, Richard J.
CC REGISTRATION NUMBER: 24,175
CC REFERENCE/DOCKET NUMBER: TRV 2 009
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (216) 861-5582

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CC         TELEFAX:  (216) 241-1666
CC         TELEX:  (216) 980162
CC     INFORMATION FOR SEQ ID NO:  2:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  518 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  Single
CC         TOPOLOGY:  Linear
SQ   SEQUENCE   518 AA; 52730 MW; 1281000 CN;

  Query Match           65.9%;  Score 2414;  DB 1;  Length 518;
  Best Local Similarity  67.3%;  Pred. No. 3.69e-182;
  Matches  352;  Conservative   73;  Mismatches  89;  Indels   9;  Gaps   8;

Db      1 MGSKELLKEEDFLGSTEDRADFDQAMFPVMETFEINDPVPKKRNGGTFCMAVMAIHLILL 60
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Qy      1 MRNKKILKEDELLSETQQ-AAFHQ-I-A-MEPFEINVPKPKRRNGVNFSLAVVVIYLILL 56

Db     61 TAGTALLLIQVLNLQEQLQMLEMCCGNGSLAIEDKPFFSL-QWA-PKTHLVPRAQGLQAL 118
          |||::||::|||||| :|::|||   | :|| || | ||| | | |  ||   |  || |
Qy     57 TAGAGLLVVQVLNLQARLRVLEMYFLNDTLAAEDSPSFSLLQSAHPGEHLAQGASRLQVL 116

Db    119 QAQLSWVHTSQEQLRQQFNNLTQNPELFQIKGERGSPG-P--KGAPGAPGIPGLPGPAAE 175
          ||||:||: |:|:| |: :|:|||| :|:||||:|:||    ||| | || || |||:||
Qy    117 QAQLTWVRVSHEHLLQRVDNFTQNPGMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAE 176

Db    176 KGEKGAAGRDGTPGVQGPQGPPGSKGEAGLQGLTGAPGKQGATGAPGPRGEKGSKGDIGL 235
          || ||| ||||: |  ||||||| |||||||| ||||||||||:|||:|||||||| ||
Qy    177 KGAKGAMGRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGL 236

Db    236 TGPKGEHGTKGDKGDLGLPGNKGDMGMKGDTGPMGSPGAQGGKGDAGKPGLPGLAGSPGV 295
          |||||| ||||:||||||||:||| |||||:| ||:|||||:||| |:|| ||||| ||
Qy    237 IGPKGETGTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGA 296

Db    296 KGDQGKPGVQGVPGPQGAPGLSGAKGEPGRTGLPGPAGPPGIAGNPGIAGVKGSKGDTGI 355
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Qy    297 KGDQGQPGLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTGL 356

Db    356 QGQKGTKGESGVPGLVGRKGDTGSPGLAGPKGEPGRVGQKGDPGMKGSSGQQGQKGEKGQ 415
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Qy    357 QGQQGRKGESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGE 416

Db    416 KGESFQRVRIMGGTNRGRAEVYYNNEWGTICDDDWDNNDATVFCRMLGYSRGRALSSYGG 475
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Qy    417 RGENSVSVRIVGSSNRGRAEVYYSGTWGTICDDEWQNSDAIVFCRMLGYSKGRALYKVGA 476

Db    476 GSGNIWLDNVNCRGTENSLWDCSKNSWGNHNCVHNEDAGVECS 518
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AC   xxxxxx
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XX
DE   Sequence 33, Application US/08642255
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CC    Sequence 33, Application US/08642255
CC    Patent No. 5773249
CC     GENERAL INFORMATION:
CC       APPLICANT:  CAPPELLO, Joseph
CC       APPLICANT:  FERRARI, Franco A.
CC       TITLE OF INVENTION:  High Molecular Weight Collagen-Like
CC       TITLE OF INVENTION:  Protein Polymers
CC       NUMBER OF SEQUENCES:  135
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
CC         STREET:  4 Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  California
CC         COUNTRY:  USA
CC         ZIP:  94111-4187
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/642,255
CC         FILING DATE:
CC         CLASSIFICATION:  435
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  ROWLAND, Bertram I.
CC         REGISTRATION NUMBER:  20,015
CC         REFERENCE/DOCKET NUMBER:  A55556-3/BIR
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  (415) 494-8700
CC         TELEFAX:  (415) 494-8771
CC         TELEX:  910 277299 FHT UR
CC     INFORMATION FOR SEQ ID NO:  33:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  357 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   357 AA; 31954 MW; 670322 CN;

  Query Match           21.7%;  Score 796;  DB 1;  Length 357;
  Best Local Similarity  48.4%;  Pred. No. 5.31e-52;
  Matches  134;  Conservative   45;  Mismatches  95;  Indels   3;  Gaps   2;

Db     40 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 99
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Qy    148 GEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGLQ 207

Db    100 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 159
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Qy    208 GPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKGDA 267

Db    160 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 219
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Qy    268 GVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQ--P-GLQGVPGPPGAVGHPGAKGEP 324

Db    220 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 279
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Qy    325 GSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLA 384

Db    280 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAG 316
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Qy    385 GPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENS 421


RESULT   3
ID   US-07-609-716-66     STANDARD;     PRT;   357 AA.
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AC   xxxxxx
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DT
XX
DE   Sequence 66, Application US/07609716
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CC    Sequence 66, Application US/07609716
CC    Patent No. 5114581
CC     GENERAL INFORMATION:
CC       APPLICANT:  Ferrari, Franco A.
CC       APPLICANT:  Cappello, Joseph
CC       TITLE OF INVENTION:  Functional Recombinantly Prepared
CC       TITLE OF INVENTION:  Synthetic Protein Polymer
CC       NUMBER OF SEQUENCES:  118
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
CC         STREET:  Four Embarcadero Center, Suite 3400
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CC        CITY:  San Francisco
CC        STATE:  CA
CC        COUNTRY:  US
CC        ZIP:  94111
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/07/609,716
CC        FILING DATE:  06-NOV-1990
CC        CLASSIFICATION:  435
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Rowland, Bertram I
CC        REGISTRATION NUMBER:  20015
CC        REFERENCE/DOCKET NUMBER:  A-55186-3/BIR
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  415-781-1989
CC        TELEFAX:  415-398-3249
CC    INFORMATION FOR SEQ ID NO:  66:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  357 amino acids
CC        TYPE:  amino acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  protein
SQ   SEQUENCE   357 AA; 31954 MW; 670322 CN;

  Query Match          21.7%;  Score 796;  DB 1;  Length 357;
  Best Local Similarity  48.4%;  Pred. No. 5.31e-52;
  Matches  134;  Conservative   45;  Mismatches  95;  Indels   3;  Gaps   2;

Db     40 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 99
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Qy    148 GEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGLQ 207

Db    100 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 159
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Qy    208 GPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKGDA 267

Db    160 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 219
           |  ||||: |: |  | ||||| :|:||:|||:|:  | | :| |||:|:|| ||| | |
Qy    268 GVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQ--P-GLQGVPGPPGAVGHPGAKGEP 324

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Qy    325 GSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLA 384

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Qy    385 GPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENS 421


RESULT    4
ID   US-08-642-255-95     STANDARD;     PRT;   1077 AA.
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AC   xxxxxx
XX
DT
XX
DE   Sequence 95, Application US/08642255
XX
CC    Sequence 95, Application US/08642255
CC    Patent No. 5773249
CC     GENERAL INFORMATION:
CC       APPLICANT:  CAPPELLO, Joseph
CC       APPLICANT:  FERRARI, Franco A.
CC       TITLE OF INVENTION:  High Molecular Weight Collagen-Like
CC       TITLE OF INVENTION:  Protein Polymers
CC       NUMBER OF SEQUENCES:  135
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
CC         STREET:  4 Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  California
CC         COUNTRY:  USA
CC         ZIP:  94111-4187
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/642,255
CC         FILING DATE:
CC         CLASSIFICATION:  435
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  ROWLAND, Bertram I.
CC         REGISTRATION NUMBER:  20,015
CC         REFERENCE/DOCKET NUMBER:  A55556-3/BIR
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  (415) 494-8700
CC         TELEFAX:  (415) 494-8771
CC         TELEX:  910 277299 FHT UR
CC     INFORMATION FOR SEQ ID NO:  95:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  1077 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   1077 AA; 91321 MW; 4955470 CN;

  Query Match          21.6%;  Score 793;  DB 1;  Length 1077;
  Best Local Similarity  48.0%;  Pred. No. 9.17e-52;
  Matches  143;  Conservative   40;  Mismatches 111;  Indels   4;  Gaps   2;

Db     16 VTQLNRLAAHPPFASDPMGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAP 75
           |:: : |     |: :| |     | ||||||||  || |  ||||  |:|:  |: ||
Qy    125 VSHEHLLQRVDNFTQNP-GMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAM 183

Db     76 GLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAP 135
           | :|| |::|:||:||: | :|  |:||||| ||| |:||:||  |  |  |  |: |
Qy    184 GRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGET 243

Db    136 GLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAP 195
           |  |  |  |  |: | :|  | :|  |:|| ||: |  |  |:||| | ||| | || |
Qy    244 GTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQP 303

Db    196 GLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAP 255
           |||| ||:||: | ||  | ||::|| | :||   ||:||| || || |: |  | ||
Qy    304 GLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGL---PGSPGSPGATGLKGSKGDTGLQGQQ 360

Db    256 GLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQG 313
           |  | :| ||: |  | ||:|| :|: ||||  |  |  |  |::| ||  |  | :|
Qy    361 GRKGESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERG 418


RESULT    5
ID   US-07-972-032-82     STANDARD;     PRT;   1077 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 82, Application US/07972032
XX
CC    Sequence 82, Application US/07972032
CC    Patent No. 5496712
CC     GENERAL INFORMATION:
CC       APPLICANT:  Cappello, Joseph
CC       APPLICANT:  Ferrari, Franco A.
CC       TITLE OF INVENTION:  HIGH MOLECULAR WEIGHT COLLAGEN-LIKE
CC       TITLE OF INVENTION:  PROTEIN POLYMERS
CC       NUMBER OF SEQUENCES:  85
```

```
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  Bertram I. Rowland
CC         STREET:  4 Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  California
CC         COUNTRY:  USA
CC         ZIP:  CA 94111
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/07/972,032
CC         FILING DATE:  19921105
CC         CLASSIFICATION:  435
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US/07/791,960
CC         FILING DATE:  12-NOV-1991
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Rowland, Bertram I.
CC         REGISTRATION NUMBER:  20,015
CC         REFERENCE/DOCKET NUMBER:  A-55556-1/BIR;PROP-08-1
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  (415) 781-1989
CC         TELEFAX:  (415) 398-3249
CC     INFORMATION FOR SEQ ID NO:  82:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  1077 amino acids
CC         TYPE:  AMINO ACID
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   1077 AA; 91321 MW; 4955470 CN;

  Query Match           21.6%;  Score 793;  DB 1;  Length 1077;
  Best Local Similarity  48.0%;  Pred. No. 9.17e-52;
  Matches  143;  Conservative   40;  Mismatches 111;  Indels   4;  Gaps   2;

Db     16 VTQLNRLAAHPPFASDPMGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAP 75
          |:: : |     |: :| |     | ||||||||  || |  ||||  |:|:  |: ||
Qy    125 VSHEHLLQRVDNFTQNP-GMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPPAEKGAKGAM 183

Db     76 GLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAP 135
          | :|| |::|:||:||: | :|  |:|||||  ||| |:||:||  |  |  |  |: |
Qy    184 GRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGET 243

Db    136 GLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAP 195
          |  |  |  |  |: | :|  | :|  |:|| ||: |  |  |:||| | ||| | || |
Qy    244 GTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQP 303

Db    196 GLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAP 255
          |||| ||:||: | ||  | ||::|| | :||   ||:||| || || |: |  | ||
Qy    304 GLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGL---PGSPGSPGATGLKGSKGDTGLQGQQ 360

Db    256 GLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQGAPGLQGAPGAPGSQG 313
          |  | :| ||: |  | ||:|| :|: ||||  |  |  |  |::| ||  |  | :|
Qy    361 GRKGESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERG 418


RESULT    6
ID   US-08-642-255-62     STANDARD;     PRT;   1064 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 62, Application US/08642255
XX
CC    Sequence 62, Application US/08642255
CC    Patent No. 5773249
CC     GENERAL INFORMATION:
CC       APPLICANT:  CAPPELLO, Joseph
CC       APPLICANT:  FERRARI, Franco A.
CC       TITLE OF INVENTION:  High Molecular Weight Collagen-Like
CC       TITLE OF INVENTION:  Protein Polymers
CC       NUMBER OF SEQUENCES:  135
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
CC         STREET:  4 Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  California
CC         COUNTRY:  USA
CC         ZIP:  94111-4187
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/642,255
CC         FILING DATE:
CC         CLASSIFICATION:  435
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  ROWLAND, Bertram I.
CC         REGISTRATION NUMBER:  20,015
CC         REFERENCE/DOCKET NUMBER:  A55556-3/BIR
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  (415) 494-8700
CC         TELEFAX:  (415) 494-8771
CC         TELEX:  910 277299 FHT UR
CC     INFORMATION FOR SEQ ID NO:  62:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  1064 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   1064 AA; 91858 MW; 5472318 CN;

  Query Match           21.0%;  Score 771;  DB 1;  Length 1064;
  Best Local Similarity  49.6%;  Pred. No. 5.05e-50;
  Matches  138;  Conservative   43;  Mismatches 88;  Indels   9;  Gaps   7;

Db     51 KGAPGPAGPPGSRGDPGPPGAPGPAGPPGSRGDPGPPGAPGPAGPPGSRGDPGPPGAPGP 110
          ||  |::|  | :|  | ||||||:|||: :|  |: |  |::||:|::| ||  | :|
Qy    147 KGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGL 206

Db    111 AGPPGSRGDPGPPGAPGPAGPPGSRGDPGPPGAPGPAGPPGSRGDPGPPGAPGPAGPPGS 170
          || |: |  |: |:||| |  ||:|| |  |  || |  |::|: |  | ||: |  |
Qy    207 QGPQGAPGKQGATGTPGPQGEKGSKGD-G--GLIGPKGETGTKGEKGDLGLPGSKGDRGM 263

Db    171 RGDPGPPGAPGPAGPPGSRGDPGPPGAPGPAGPPGSRGDPGPPGAPGPAGPPGSRGDPGP 230
          :||:|  | | | |: ||:|| | ||:|| || ||::|| | ||  | :|||: | ||:
Qy    264 KGDAGVMG-P-P-GAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPGA 320

Db    231 PGAPGPAGPPGSRGDPGPPGAPGPAGPPGSRGDPGPPGAHGPAGPKGAHGPAGPKGAHG- 289
          | ||:||:||  | ||:||:||::|  ||:|| |  | :|  |  |  |||| || :|
Qy    321 KGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGS 380

Db    290 P--AGPKGAHGPAGPKGAPGPAGPPGSRGDPGPPGAPG 325
          |  |||||| | || ||  |  |::| :|  |  |  |
Qy    381 PGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERG 418


RESULT    7
ID   US-07-609-716-65     STANDARD;     PRT;   408 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 65, Application US/07609716
XX
CC    Sequence 65, Application US/07609716
CC    Patent No. 5514581
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CC     GENERAL INFORMATION:
CC       APPLICANT:  Ferrari, Franco A.
CC       APPLICANT:  Cappello, Joseph
CC       TITLE OF INVENTION:  Functional Recombinantly Prepared
CC       TITLE OF INVENTION:  Synthetic Protein Polymer
CC       NUMBER OF SEQUENCES:  118
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
CC         STREET:  Four Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  CA
CC         COUNTRY:  US
CC         ZIP:  94111
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/07/609,716
CC         FILING DATE:  06-NOV-1990
CC         CLASSIFICATION:  435
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Rowland, Bertram I
CC         REGISTRATION NUMBER:  20015
CC         REFERENCE/DOCKET NUMBER:  A-55186-3/BIR
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  415-781-1989
CC         TELEFAX:  415-398-3249
CC     INFORMATION FOR SEQ ID NO:  65:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  408 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   408 AA; 35237 MW; 959886 CN;

  Query Match          20.7%;  Score 757;  DB 1;  Length 408;
  Best Local Similarity  47.6%;  Pred. No. 6.45e-49;
  Matches  129;  Conservative   38;  Mismatches 104;  Indels   0;  Gaps   0;

Db     55 GPPGPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAP 114
          |  |:||  |  |::| ||||||||||:  |: || |  |: ||:|| ||:|  | :|
Qy    148 GEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGLQ 207

Db    115 GPPGPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPP 174
          || |:||  |: |:||| |  |: |  |  || |  |: |  |  | ||: |  |  | :
Qy    208 GPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKGDA 267

Db    175 GPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAPGPP 234
          |  |||||: |: |  | ||||| :| ||: |  | ||  | |||||: |  |: | ||::
Qy    268 GVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPGAKGEPGSA 327

Db    235 GPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPPGPP 294
          |:|| :| ||:||:||: |  |: | :|  |  |  | :| |||:|  |  |:|| :||
Qy    328 GSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLAGPK 387

Db    295 GPPGPAGPVGSPGAPGPPGPPGPPGPPGAPG 325
          |:|| ||  |  |  |::|  |  |  |  |
Qy    388 GAPGQAGQKGDQGVKGSSGEQGVKGEKGERG 418


RESULT    8
ID   US-08-642-255-53     STANDARD;     PRT;   777 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 53, Application US/08642255
XX
CC    Sequence 53, Application US/08642255
CC    Patent No. 5773249
CC     GENERAL INFORMATION:
CC       APPLICANT:  CAPPELLO, Joseph
CC       APPLICANT:  FERRARI, Franco A.
CC       TITLE OF INVENTION:  High Molecular Weight Collagen-Like
CC       TITLE OF INVENTION:  Protein Polymers
CC       NUMBER OF SEQUENCES:  135
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
CC         STREET:  4 Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  California
CC         COUNTRY:  USA
CC         ZIP:  94111-4187
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/642,255
CC         FILING DATE:
CC         CLASSIFICATION:  435
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  ROWLAND, Bertram I.
CC         REGISTRATION NUMBER:  20,015
CC         REFERENCE/DOCKET NUMBER:  A55556-3/BIR
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  (415) 494-8700
CC         TELEFAX:  (415) 494-8771
CC         TELEX:  910 277299 FHT UR
CC     INFORMATION FOR SEQ ID NO:  53:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  777 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   777 AA; 64133 MW; 2828908 CN;

  Query Match          20.6%;  Score 755;  DB 1;  Length 777;
  Best Local Similarity  49.1%;  Pred. No. 9.28e-49;
  Matches  133;  Conservative   39;  Mismatches  96;  Indels   3;  Gaps   2;

Db     85 GPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAP 144
          |  |||| |  || | :|:||:|||::  || |: |  || ||:|| |:||  | :|
Qy    148 GEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGLQ 207

Db    145 GPAGPPGAPGPAGPPGAHGPAGPKGAHGPAGPKGAHGPAGPKGAHGPAGPKGAPGPAGPP 204
          || |:|| |::| ||::|  |:|| |  ||||  |  | ||  | :|:||  |  | :
Qy    208 GPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKGDA 267

Db    205 GAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPA 264
          |  ||:|: |: |  | ||:|| || ||| |  | ||  | :||||| | :|: | ||:|
Qy    268 GVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPGAKGEPGSA 327

Db    265 GPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAHGPAGPKGAHG-P--AGPK 321
          |:|| :| :|:||:||::|  |: | :|  |  |  | :|  |||| || :| |  ||||
Qy    328 GSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLAGPK 387

Db    322 GAHGPAGPKGAHGPAGPKGAPGPAGPPGAPG 352
          || | || || :|  |: |  |  |  |  |
Qy    388 GAPGQAGQKGDQGVKGSSGEQGVKGEKGERG 418


RESULT    9
ID   US-08-642-255-52     STANDARD;     PRT;   561 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 52, Application US/08642255
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XX
CC    Sequence 52, Application US/08642255
CC    Patent No. 5773249
CC     GENERAL INFORMATION:
CC       APPLICANT:  CAPPELLO, Joseph
CC       APPLICANT:  FERRARI, Franco A.
CC       TITLE OF INVENTION:  High Molecular Weight Collagen-Like
CC       TITLE OF INVENTION:  Protein Polymers
CC       NUMBER OF SEQUENCES:  135
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
CC         STREET:  4 Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  California
CC         COUNTRY:  USA
CC         ZIP:  94111-4187
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/642,255
CC         FILING DATE:
CC         CLASSIFICATION:  435
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  ROWLAND, Bertram I.
CC         REGISTRATION NUMBER:  20,015
CC         REFERENCE/DOCKET NUMBER:  A55556-3/BIR
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  (415) 494-8700
CC         TELEFAX:  (415) 494-8771
CC         TELEX:  910 277299 FHT UR
CC     INFORMATION FOR SEQ ID NO:  52:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  561 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   561 AA; 46438 MW; 1494070 CN;

  Query Match           20.2%;  Score 739;  DB 1;  Length 561;
  Best Local Similarity  48.7%;  Pred. No. 1.70e-47;
  Matches  132;  Conservative   39;  Mismatches  97;  Indels   3;  Gaps   1;

Db    193 GPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAP 252
          |  ||||  |  || | :|:||:|||::  || |: |  || ||:|| |:||  | :|
Qy    148 GEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGLQ 207

Db    253 GPAGPPGAPGPAGPPGAHGPAGPKGAHGPAGPKGAHGPAGPKGAHGPAGPKGAPGPAGPP 312
          || |:||  |::| ||::|  |:||  |  ||||  |  | ||  | :|:||  |  | :
Qy    208 GPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKGDA 267

Db    313 GAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPA 372
          |  ||:|: |: |  | ||:|| || ||| |  | ||  | :||||| | :|: | ||:|
Qy    268 GVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPGAKGEPGSA 327

Db    373 GPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAGPPGAPGPAG---PPGAPGPAGPP 429
          |:|| :| :|:||:||::|  |: | :|  |  |  | :| |||||     |:|| |||
Qy    328 GSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLAGPK 387

Db    430 GAPGPAGPPGAPGPAGPPGAPGPAGPPGAPG 460
          |||| ||  |  |  |::|  |  |  |  |
Qy    388 GAPGQAGQKGDQGVKGSSGEQGVKGEKGERG 418


RESULT   10
ID   PCT-US95-02251-12     STANDARD;     PRT;   1442 AA.
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AC   xxxxxx
XX
DT
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DE   Sequence 12, Application PC/TUS9502251
XX
CC    Sequence 12, Application PC/TUS9502251
CC     GENERAL INFORMATION:
CC       APPLICANT:
CC       TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR STIMULATING BONE
CC       TITLE OF INVENTION:  CELLS
CC       NUMBER OF SEQUENCES:  18
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  Arnold, White & Durkee
CC         STREET:  P.O. Box 4433
CC         CITY:  Houston
CC         STATE:  Texas
CC         COUNTRY:  United States of America
CC         ZIP:  77210
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS/ASCII
CC         SOFTWARE:  PatentIn Release #1.0, Version
CC         SOFTWARE:  #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  PCT/US95/02251
CC         FILING DATE:  CONCURRENTLY HEREWITH
CC         CLASSIFICATION:
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 08/316,650
CC         FILING DATE:  30-SEP-1994
CC         CLASSIFICATION:
CC         APPLICATION NUMBER:  US 08/199,780
CC         FILING DATE:  18-FEB-1994
CC         CLASSIFICATION:
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Parker, David L.
CC         REGISTRATION NUMBER:  32,165
CC         REFERENCE/DOCKET NUMBER:  UMIC009P--
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  (512) 418-3000
CC         TELEFAX:  (713) 789-2679
CC         TELEX:  79-0924
CC     INFORMATION FOR SEQ ID NO:  12:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  1442 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  peptide
SQ   SEQUENCE   1442 AA; 137911 MW; 9845405 CN;

  Query Match           20.0%;  Score 734;  DB 2;  Length 1442;
  Best Local Similarity  43.7%;  Pred. No. 4.23e-47;
  Matches  128;  Conservative   48;  Mismatches 112;  Indels   5;  Gaps   3;

Db    435 GAPGPAGEEGKRGARGEPGGAGPIGPPGERGAPGNRGFPGQDGLAGPKGAPGERGPSGLA 494
          |  |::| :| :|| | ||::}| |||:|:|| |  |  |  | :|| |:|| :| :||
Qy    148 GEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGLQ 207

Db    495 GPKGANGDPGRPGEPGLPGARGLTGRPGDAGPQGKVGPSGAPGEDGRPGPPGPQGARGQP 554
          || || |  |  | ||  | :|  |  |  || |  |  |: | ||: | :| :|::
Qy    208 GPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKGDA 267

Db    555 GVMGFPGPKGANGEPGKAGEKGLAGAPGLRGLPGKDGETGAAGPPGPSGPAGERGEQGAP 614
          |||| ||: |::|: |::|  |||| || :|  |  |  | :||||: | :| :|| |::
Qy    268 GVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPGAKGEPGSA 327

Db    615 GPSGFQGLPGPPGPPGEGGKQGDQGIPGEAGAPGLVGPRGERGFPGERGSPGAQGLQGPR 674
          |::|  ||||:||:||  |  |  |  |  |  |  |  |  | :| :|  |: || ||:
Qy    328 GSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLAGPK 387

Db    675 GLPGTPGTDGPKGAAGPDGPPGAQGPPGLQGMPGERGAAG-IAGPKG-DRGDV 725
          |  :||  | ||  |  |::| ||  |  |  || : :  | |:    |::|
Qy    388 G---APGQAGQKGDQGVKGSSGEQGVKGEKGERGENSVSVRIVGSSNRGRAEV 437
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RESULT   11
ID   US-08-642-255-32     STANDARD;     PRT;   330 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 32, Application US/08642255
XX
CC    Sequence 32, Application US/08642255
CC    Patent No. 5773249
CC     GENERAL INFORMATION:
CC       APPLICANT:  CAPPELLO, Joseph
CC       APPLICANT:  FERRARI, Franco A.
CC       TITLE OF INVENTION:  High Molecular Weight Collagen-Like
CC       TITLE OF INVENTION:  Protein Polymers
CC       NUMBER OF SEQUENCES:  135
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
CC         STREET:  4 Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  California
CC         COUNTRY:  USA
CC         ZIP:  94111-4187
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/642,255
CC         FILING DATE:
CC         CLASSIFICATION:  435
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  ROWLAND, Bertram I.
CC         REGISTRATION NUMBER:  20,015
CC         REFERENCE/DOCKET NUMBER:  A55556-3/BIR
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  (415) 494-8700
CC         TELEFAX:  (415) 494-8771
CC         TELEX:  910 277299 FHT UR
CC     INFORMATION FOR SEQ ID NO:  32:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  330 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   330 AA; 28876 MW; 625100 CN;

  Query Match           19.9%;  Score 731;  DB 1;  Length 330;
  Best Local Similarity  48.2%;  Pred. No. 7.29e-47;
  Matches   123;  Conservative   37;  Mismatches  95;  Indels   0;  Gaps   0;

Db     55 GPPGPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAP 114
          |  |:||  |  |::| ||||||||||:  |: || |  |: ||:|| ||:|  | :|
Qy    148 GEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGLQ 207

Db    115 GPPGPPGPPGPPGAPGPPGPPGPPGPPGAPGPVGSPGAPGPPGPPGPPGPPGAPGPPGPP 174
          || |:||  |: |:||| |  |: |  |  || |  |: |  |  | ||: |  |  | :
Qy    208 GPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKGDA 267

Db    175 GPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAPGPP 234
          |  ||||: |: |  | ||||| :| ||: |  | ||  | |||||: |  |: | ||::
Qy    268 GVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPGAKGEPGSA 327

Db    235 GPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPPGPP 294
          |:|| :| ||:||:||: |  |: | :|  |  |  | :| |||:|  |  |:|| :||
Qy    328 GSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLAGPK 387

Db    295 GPPGPAGPVGSPGAM 309
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          |:|| ||  |  | :
Qy    388 GAPGQAGQKGDQGVK 402


RESULT   12
ID   US-08-175-155-69     STANDARD;     PRT;   417 AA.
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AC   xxxxxx
XX
DT
XX
DE   Sequence 69, Application US/08175155
XX
CC    Sequence 69, Application US/08175155
CC    Patent No. 5641648
CC     GENERAL INFORMATION:
CC       APPLICANT:  Ferrari, Franco A.
CC       APPLICANT:  Cappello, Joseph
CC       APPLICANT:  Crissman, John W.
CC       APPLICANT:  Dorman, Mary A.
CC       TITLE OF INVENTION:  Methods for Preparing Synthetic
CC       TITLE OF INVENTION:  Repetitive DNA
CC       NUMBER OF SEQUENCES:  69
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
CC         STREET:  Four Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  CA
CC         COUNTRY:  US
CC         ZIP:  94111
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/175,155
CC         FILING DATE:  29-DEC-1993
CC         CLASSIFICATION:  435
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Rowland, Bertram I.
CC         REGISTRATION NUMBER:  20015
CC         REFERENCE/DOCKET NUMBER:  A-55186-5/BIR
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  415-781-1989
CC         TELEFAX:  415-398-3249
CC     INFORMATION FOR SEQ ID NO:  69:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  417 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  peptide
SQ   SEQUENCE   417 AA; 37083 MW; 955434 CN;

  Query Match           19.7%;  Score 722;  DB 1;  Length 417;
  Best Local Similarity  46.1%;  Pred. No. 3.74e-46;
  Matches   136;  Conservative   32;  Mismatches 123;  Indels   4;  Gaps   2;

Db     16 VTQLNRLAAHPPFASDPMGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLP 75
          |:: : |     |: :| |     | || ||  |  |: |  | ||:||:|:  |: |
Qy    125 VSHEHLLQRVDNFTQNP-GMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAM 183

Db     76 GSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLP 135
          |  || | :|||| ||  | :|  |||| ||  || |||||||  || |  |  || |
Qy    184 GRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGET 243

Db    136 GSPGAPGT---PGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQ 192
          |: |  |    ||: |  |  | :|  || |  || |  | ||| ||:| ||| |  |
Qy    244 GTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQP 303

Db    193 GLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQ 252
          || | ||:||: |  |  | ||::|:||  |||||||:||: |  |  |  |  |  |
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Qy    304 GLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRK 363

Db    253 GLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPG 307
          | :| ||::|  | || || :|: |:||  |  |  |  |::| ||: |  |  |
Qy    364 GESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERG 418


RESULT  13
ID   US-08-477-509B-104     STANDARD;     PRT;   417 AA.
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AC   xxxxxx
XX
DT
XX
DE   Sequence 104, Application US/08477509B
XX
CC    Sequence 104, Application US/08477509B
CC    Patent No. 5770697
CC     GENERAL INFORMATION:
CC       APPLICANT:  Ferrari, Franco A
CC       APPLICANT:  Cappello, Joseph
CC       APPLICANT:  Crissman, John w
CC       APPLICANT:  Dorman, Mary A
CC       TITLE OF INVENTION:  No. 5770697el Peptides Comprising Repetitive
CC       TITLE OF INVENTION:  Units of Amino Acids and DNA Sequences Encoding the Same
CC       NUMBER OF SEQUENCES:  112
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
CC         STREET:  Four Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  California
CC         COUNTRY:  US
CC         ZIP:  94111
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/477,509B
CC         FILING DATE:  07-JUN-1995
CC         CLASSIFICATION:  435
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 08/175,155
CC         FILING DATE:  29-DEC-1993
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 08/053,049
CC         FILING DATE:  22-APR-1993
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/114,618
CC         FILING DATE:  29-OCT-1987
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 06/927,258
CC         FILING DATE:  04-NOV-1986
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Trecartin, Richard F.
CC         REGISTRATION NUMBER:  31,801
CC         REFERENCE/DOCKET NUMBER:  A-55186-7/RFT/MTK
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  415-781-1989
CC         TELEFAX:  415-398-3249
CC     INFORMATION FOR SEQ ID NO:  104:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  417 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  peptide
SQ   SEQUENCE   417 AA; 37083 MW; 955434 CN;

  Query Match          19.7%;  Score 722;  DB 1;  Length 417;
  Best Local Similarity  46.1%;  Pred. No. 3.74e-46;
  Matches  136;  Conservative   32;  Mismatches 123;  Indels   4;  Gaps   2;

Db     16 VTQLNRLAAHPPFASDPMGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLP 75
          |:: : |     |: :| |     | || ||  |  |: |  | ||:||:|:  |: |
Qy    125 VSHEHLLQRVDNFTQNP-GMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAM 183

Db     76 GSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLP 135
          |  || | :|||| ||  | :|  |||| ||  || |||||||  || |  |  || |
Qy    184 GRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGET 243

Db    136 GSPGAPGT---PGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQ 192
          |: |  |    ||: |  |  | :|  || |  || |  | ||| ||:| ||| |  |
Qy    244 GTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQP 303

Db    193 GLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQ 252
          || | ||:||: |  |  | ||::|:||  |||||||:||: |  |  |  |  |  |
Qy    304 GLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRK 363

Db    253 GLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPG 307
          | :| ||::|  | || || :|: |:||  |  |  |  |::| ||: |  |  |
Qy    364 GESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERG 418


RESULT  14
ID   US-08-642-255-102     STANDARD;     PRT;   417 AA.
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AC   xxxxxx
XX
DT
XX
DE   Sequence 102, Application US/08642255
XX
CC    Sequence 102, Application US/08642255
CC    Patent No. 5773249
CC     GENERAL INFORMATION:
CC       APPLICANT:  CAPPELLO, Joseph
CC       APPLICANT:  FERRARI, Franco A.
CC       TITLE OF INVENTION:  High Molecular Weight Collagen-Like
CC       TITLE OF INVENTION:  Protein Polymers
CC       NUMBER OF SEQUENCES:  135
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
CC         STREET:  4 Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  California
CC         COUNTRY:  USA
CC         ZIP:  94111-4187
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/642,255
CC         FILING DATE:
CC         CLASSIFICATION:  435
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  ROWLAND, Bertram I.
CC         REGISTRATION NUMBER:  20,015
CC         REFERENCE/DOCKET NUMBER:  A55556-3/BIR
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  (415) 494-8700
CC         TELEFAX:  (415) 494-8771
CC         TELEX:  910 277299 FHT UR
CC     INFORMATION FOR SEQ ID NO:  102:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  417 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   417 AA; 37083 MW; 955434 CN;

  Query Match          19.7%;  Score 722;  DB 1;  Length 417;
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  Best Local Similarity  46.1%;  Pred. No. 3.74e-46;
  Matches  136;  Conservative   32;  Mismatches 123;  Indels   4;  Gaps   2;

Db     16 VTQLNRLAAHPPFASDPMGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLP 75
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Qy    125 VSHEHLLQRVDNFTQNP-GMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAM 183

Db     76 GSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLP 135
          |  || | :|||| ||  | :|  |||| ||  || |||||||  || |  |  || |
Qy    184 GRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGET 243

Db    136 GSPGAPGT---PGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQ 192
          |: |  |    ||: |  |  | :|  || |  || |  | ||| ||:| ||| |  |
Qy    244 GTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQP 303

Db    193 GLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQ 252
          || | ||:||: |  |  | ||::|:||  |||||||:||: |  |  |  |  |  |
Qy    304 GLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRK 363

Db    253 GLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPG 307
          | :| ||::|  | || || :|: |:||  |  |  |  |::| ||: |  |  |
Qy    364 GESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERG 418


RESULT  15
ID  US-08-642-255-101     STANDARD;     PRT;   837 AA.
XX
AC  xxxxxx
XX
DT
XX
DE  Sequence 101, Application US/08642255
XX
CC   Sequence 101, Application US/08642255
CC   Patent No. 5773249
CC    GENERAL INFORMATION:
CC      APPLICANT:  CAPPELLO, Joseph
CC      APPLICANT:  FERRARI, Franco A.
CC      TITLE OF INVENTION:  High Molecular Weight Collagen-Like
CC      TITLE OF INVENTION:  Protein Polymers
CC      NUMBER OF SEQUENCES:  135
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
CC        STREET:  4 Embarcadero Center, Suite 3400
CC        CITY:  San Francisco
CC        STATE:  California
CC        COUNTRY:  USA
CC        ZIP:  94111-4187
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/642,255
CC        FILING DATE:
CC        CLASSIFICATION:  435
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  ROWLAND, Bertram I.
CC        REGISTRATION NUMBER:  20,015
CC        REFERENCE/DOCKET NUMBER:  A55556-3/BIR
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  (415) 494-8700
CC        TELEFAX:  (415) 494-8771
CC        TELEX:  910 277299 FHT UR
CC     INFORMATION FOR SEQ ID NO:  101:
CC       SEQUENCE CHARACTERISTICS:
CC        LENGTH:  837 amino acids
CC        TYPE:  amino acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ  SEQUENCE   837 AA; 72682 MW; 3863626 CN;

  Query Match           19.7%;  Score 722;  DB 1;  Length 837;
  Best Local Similarity  46.1%;  Pred. No. 3.74e-46;
  Matches  136;  Conservative   32;  Mismatches 123;  Indels   4;  Gaps   2;

Db     16 VTQLNRLAAHPPFASDPMGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLP 75
          |:: : |     |: :| |     | || ||  |  |: |  | ||:||:|:  |: |
Qy    125 VSHEHLLQRVDNFTQNP-GMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAM 183

Db     76 GSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLP 135
          |  || | :|||| ||  | :|  |||| ||  || |||||||  || |  |  || |
Qy    184 GRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGET 243

Db    136 GSPGAPGT---PGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQ 192
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Qy    244 GTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQP 303

Db    193 GLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQ 252
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Qy    304 GLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRK 363

Db    253 GLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPG 307
          | :| ||::|  | || || :|: |:||  |  |  |  |::| ||: |  |  |
Qy    364 GESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERG 418


Search completed: Fri Sep 11 06:57:06 1998
Job time : 13 secs.
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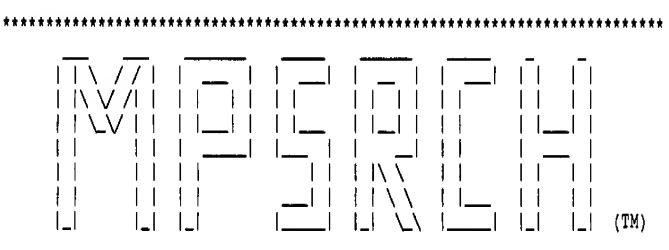

MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

Run on: Fri Sep 11 06:57:25 1998; MasPar time 22.56 Seconds
724.438 Million cell updates/sec

Tabular output not generated.

Title: >US-08-794-795-6
Description: (1-520) from US08794795.pep
Perfect Score: 3665
Sequence: 1 MRNKKILKEDELLSETQQAA.....NSWGHHDCSHEEDAGVECSV 520

Scoring table: PAM 150
Gap 11

Searched: 286381 seqs, 31430319 residues

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database: a-pending
1:P9 2:U60 3:U7 4:U80 5:U81 6:U82 7:U83 8:U84 9:U85
10:U86 11:U87 12:U88 13:U89 14:U90 15:U91 16:NEWP
17:NEWU8 18:NEWU9

Statistics: Mean 34.734; Variance 179.067; scale 0.194

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description	Pred. No.
1	3665	100.0	520	11	US-08-794-	Sequence 6, Applicatio	2.68e-290
2	3653	99.7	520	13	US-08-934-	Sequence 1, Applicatio	2.70e-289
3	3493	95.3	495	11	US-08-794-	Sequence 2, Applicatio	6.29e-276
4	2414	65.9	518	12	US-08-893-	Sequence 2, Applicatio	5.98e-186
5	2414	65.9	518	13	US-08-934-	Sequence 3, Applicatio	5.98e-186
6	2369	64.6	489	11	US-08-794-	Sequence 7, Applicatio	3.32e-182
7	796	21.7	357	8	US-08-478-	Sequence 66, Applicati	2.12e-52
8	796	21.7	357	8	US-08-475-	Sequence 66, Applicati	2.12e-52
9	757	20.7	408	8	US-08-475-	Sequence 65, Applicati	3.07e-49
10	757	20.7	408	8	US-08-478-	Sequence 65, Applicati	3.07e-49
11	757	20.7	1107	11	US-08-763-	Sequence 8, Applicatio	3.07e-49
12	757	20.7	1169	11	US-08-763-	Sequence 5, Applicatio	3.07e-49
13	757	20.7	1171	11	US-08-763-	Sequence 6, Applicatio	3.07e-49
14	757	20.7	1341	5	US-08-187-	Sequence 18, Applicati	3.07e-49
15	757	20.7	1341	13	US-08-963-	Sequence 18, Applicati	3.07e-49
16	757	20.7	1388	11	US-08-763-	Sequence 7, Applicatio	3.07e-49
17	749	20.4	1078	5	US-08-187-	Sequence 21, Applicati	1.36e-48
18	749	20.4	1078	13	US-08-963-	Sequence 21, Applicati	1.36e-48
19	742	20.2	655	3	US-07-616-	Sequence 1, Applicatio	5.03e-48
20	734	20.0	1442	7	US-08-316-	Sequence 12, Applicati	2.23e-47
21	729	19.9	492	8	US-08-472-	Sequence 12, Applicati	5.66e-47
22	729	19.9	492	8	US-08-461-	Sequence 12, Applicati	5.66e-47
23	729	19.9	492	8	US-08-469-	Sequence 12, Applicati	5.66e-47
24	729	19.9	492	8	US-08-461-	Sequence 12, Applicati	5.66e-47
25	728	19.9	492	8	US-08-469-	Sequence 11, Applicati	6.82e-47
26	728	19.9	492	8	US-08-461-	Sequence 11, Applicati	6.82e-47
27	728	19.9	492	8	US-08-472-	Sequence 11, Applicati	6.82e-47
28	728	19.9	492	8	US-08-461-	Sequence 11, Applicati	6.82e-47
29	730	19.9	1418	8	US-08-448-	Sequence 1, Applicatio	4.70e-47
30	730	19.9	1418	13	US-08-963-	Sequence 20, Applicati	4.70e-47
31	730	19.9	1418	3	US-07-984-	Sequence 1, Applicatio	4.70e-47
32	730	19.9	1418	5	US-08-187-	Sequence 20, Applicati	4.70e-47
33	727	19.8	1017	8	US-08-461-	Sequence 10, Applicati	8.22e-47
34	727	19.8	1017	8	US-08-461-	Sequence 10, Applicati	8.22e-47
35	727	19.8	1017	8	US-08-472-	Sequence 10, Applicati	8.22e-47
36	727	19.8	1017	8	US-08-469-	Sequence 10, Applicati	8.22e-47
37	722	19.7	417	11	US-08-707-	Sequence 76, Applicati	2.08e-46
38	722	19.7	417	8	US-08-477-	Sequence 104, Applicat	2.08e-46
39	722	19.7	417	8	US-08-482-	Sequence 104, Applicat	2.08e-46
40	722	19.7	417	11	US-08-707-	Sequence 76, Applicati	2.08e-46
41	722	19.7	837	11	US-08-707-	Sequence 75, Applicati	2.08e-46
42	722	19.7	837	11	US-08-707-	Sequence 75, Applicati	2.08e-46
43	722	19.7	837	8	US-08-477-	Sequence 103, Applicat	2.08e-46
44	722	19.7	837	8	US-08-482-	Sequence 103, Applicat	2.08e-46
45	696	19.0	1366	5	US-08-187-	Sequence 19, Applicati	2.62e-44

ALIGNMENTS

RESULT 1
ID US-08-794-795-6 STANDARD; PRT; 520 AA.
XX
AC xxxxxx
XX
DT
XX
DE Sequence 6, Application US/08794795
XX
CC Sequence 6, Application US/08794795
CC GENERAL INFORMATION:
CC APPLICANT: Elshourlagy, Nabil
CC APPLICANT: Adamou, John
CC APPLICANT: Gross, Mitchell
CC APPLICANT: Lysko, Paul
CC TITLE OF INVENTION: Human Macro Scavenger Rec
CC TITLE OF INVENTION: eptor
CC NUMBER OF SEQUENCES: 9
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: SmithKline Beecham Corporation
CC STREET: 709 Swedeland Road
CC CITY: King of Prussia
CC STATE: PA
CC COUNTRY: USA
CC ZIP: 19406
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Diskette
CC COMPUTER: IBM Compatible
CC OPERATING SYSTEM: DOS
CC SOFTWARE: FastSEQ for Windows Version 2.0
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/794,795
CC FILING DATE: 04-FEB-1997
CC CLASSIFICATION: 435
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: ATG50009P
CC FILING DATE: 22-MAY-1996
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Han, William T
CC REGISTRATION NUMBER: 34,344
CC REFERENCE/DOCKET NUMBER: ATG50009
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 610-270-5219
CC TELEFAX: 610-270-4026
CC TELEX:

```
CC    INFORMATION FOR SEQ ID NO:  6:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  520 amino acids
CC        TYPE:  amino acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  peptide
SQ  SEQUENCE   520 AA; 52658 MW; 1340662 CN;

  Query Match          100.0%;  Score 3665;  DB 11;  Length 520;
  Best Local Similarity 100.0%;  Pred. No. 2.68e-290;
  Matches  520;  Conservative    0;  Mismatches   0;  Indels   0;  Gaps   0;

Db      1 MRNKKILKEDELLSETQQAAFHQIAMEPFEINVPKPKRRNGVNFSLAVVVIYLILLTAGA 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy      1 MRNKKILKEDELLSETQQAAFHQIAMEPFEINVPKPKRRNGVNFSLAVVVIYLILLTAGA 60

Db     61 GLLVVQVLNLQARLRVLEMYFLNDTLAAEDSPSFSLLQSAHPGEHLAQGASRLQVLQAQL 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     61 GLLVVQVLNLQARLRVLEMYFLNDTLAAEDSPSFSLLQSAHPGEHLAQGASRLQVLQAQL 120

Db    121 TWVRVSHEHLLQRVDNFTQNPGMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAK 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    121 TWVRVSHEHLLQRVDNFTQNPGMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAK 180

Db    181 GAMGRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPK 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    181 GAMGRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPK 240

Db    241 GETGTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQ 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    241 GETGTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQ 300

Db    301 GQPGLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQ 360
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    301 GQPGLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQ 360

Db    361 GRKGESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGEN 420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    361 GRKGESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGEN 420

Db    421 SVSVRIVGSSNRGRAEVYYSGTWGTICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQ 480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    421 SVSVRIVGSSNRGRAEVYYSGTWGTICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQ 480

Db    481 IWLDNVQCRGTESTLWSCTKNSWGHHDCSHEEDAGVECSV 520
          |||||||||||||||||||||||||||||||||||||||||
Qy    481 IWLDNVQCRGTESTLWSCTKNSWGHHDCSHEEDAGVECSV 520


RESULT   2
ID  US-08-934-168-1     STANDARD;     PRT;   520 AA.
XX
AC  xxxxxx
XX
DT
XX
DE  Sequence 1, Application US/08934168
XX
CC   Sequence 1, Application US/08934168
CC    GENERAL INFORMATION:
CC      APPLICANT:  Bandman, Olga
CC      APPLICANT:  Lal, Preeti
CC      APPLICANT:  Corley, Neil C.
CC      APPLICANT:  Shah, Purvi
CC      TITLE OF INVENTION:  HUMAN MARCO
CC      NUMBER OF SEQUENCES:  3
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Incyte Pharmaceuticals, Inc.
CC        STREET:  3174 Porter Drive
CC        CITY:  Palo Alto
CC        STATE:  CA
CC        COUNTRY:  USA
CC        ZIP:  94304
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Diskette
CC        COMPUTER:  IBM Compatible
CC        OPERATING SYSTEM:  DOS
CC        SOFTWARE:  FastSEQ for Windows Version 2.0
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/934,168
CC        FILING DATE:  Herewith
CC        CLASSIFICATION:  435
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:
CC        FILING DATE:
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Billings, Lucy J.
CC        REGISTRATION NUMBER:  36,749
CC        REFERENCE/DOCKET NUMBER:  PF-0392 US
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  650-855-0555
CC        TELEFAX:  650-845-4166
CC        TELEX:
CC    INFORMATION FOR SEQ ID NO:  1:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  520 amino acids
CC        TYPE:  amino acid
CC        STRANDEDNESS:  single
CC        TOPOLOGY:  linear
CC      IMMEDIATE SOURCE:
CC        LIBRARY:  MMLR3DT01
CC        CLONE:  569648
SQ  SEQUENCE   520 AA; 52674 MW; 1339522 CN;

  Query Match          99.7%;  Score 3653;  DB 13;  Length 520;
  Best Local Similarity 99.8%;  Pred. No. 2.70e-289;
  Matches  519;  Conservative    0;  Mismatches   1;  Indels   0;  Gaps   0;

Db      1 MRNKKILKEDELLSETQQAAFHQIAMEPFEINVPKPKRRNGVNFSLAVVVIYLILLTAGA 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy      1 MRNKKILKEDELLSETQQAAFHQIAMEPFEINVPKPKRRNGVNFSLAVVVIYLILLTAGA 60

Db     61 GLLVVQVLNLQARLRVLEMYFLNDTLAAEDSPSFSLLQSAHPGEHLAQGASRLQVLQAQL 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     61 GLLVVQVLNLQARLRVLEMYFLNDTLAAEDSPSFSLLQSAHPGEHLAQGASRLQVLQAQL 120

Db    121 TWVRVSHEHLLQRVDNFTQNPGMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAK 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    121 TWVRVSHEHLLQRVDNFTQNPGMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAK 180

Db    181 GAMGRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPK 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    181 GAMGRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPK 240

Db    241 GETGTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRLGPPGLAGFPGAKGDQ 300
          |||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||
Qy    241 GETGTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQ 300

Db    301 GQPGLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQ 360
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    301 GQPGLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQ 360

Db    361 GRKGESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGEN 420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    361 GRKGESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGEN 420

Db    421 SVSVRIVGSSNRGRAEVYYSGTWGTICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQ 480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    421 SVSVRIVGSSNRGRAEVYYSGTWGTICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQ 480

Db    481 IWLDNVQCRGTESTLWSCTKNSWGHHDCSHEEDAGVECSV 520
          |||||||||||||||||||||||||||||||||||||||||
Qy    481 IWLDNVQCRGTESTLWSCTKNSWGHHDCSHEEDAGVECSV 520
```

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RESULT    3
ID   US-08-794-795-2     STANDARD;     PRT;   495 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 2, Application US/08794795
XX
CC    Sequence 2, Application US/08794795
CC     GENERAL INFORMATION:
CC       APPLICANT:  Elshourlagy, Nabil
CC       APPLICANT:  Adamou, John
CC       APPLICANT:  Gross, Mitchell
CC       APPLICANT:  Lysko, Paul
CC       TITLE OF INVENTION:  Human Macro Scavenger Rec
CC       TITLE OF INVENTION:  eptor
CC       NUMBER OF SEQUENCES:  9
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  SmithKline Beecham Corporation
CC         STREET:  709 Swedeland Road
CC         CITY:  King of Prussia
CC         STATE:  PA
CC         COUNTRY:  USA
CC         ZIP:  19406
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Diskette
CC         COMPUTER:  IBM Compatible
CC         OPERATING SYSTEM:  DOS
CC         SOFTWARE:  FastSEQ for Windows Version 2.0
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/794,795
CC         FILING DATE:  04-FEB-1997
CC         CLASSIFICATION:  435
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  ATG50009P
CC         FILING DATE:  22-MAY-1996
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Han, William T
CC         REGISTRATION NUMBER:  34,344
CC         REFERENCE/DOCKET NUMBER:  ATG50009
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  610-270-5219
CC         TELEFAX:  610-270-4026
CC         TELEX:
CC     INFORMATION FOR SEQ ID NO:  2:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  495 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  peptide
SQ   SEQUENCE   495 AA; 49764 MW; 1218428 CN;

  Query Match          95.3%;  Score 3493;  DB 11;  Length 495;
  Best Local Similarity  99.8%;  Pred. No. 6.29e-276;
  Matches   494;  Conservative    1;  Mismatches   0;  Indels   0;  Gaps   0;

Db      1 MEPFEINVPKPKRRNGVNFSLAVVVIYLILLTAGAGLLVVQVLNLQARLRVLEMYFLNDT 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     26 MEPFEINVPKPKRRNGVNFSLAVVVIYLILLTAGAGLLVVQVLNLQARLRVLEMYFLNDT 85

Db     61 LAAEDSPSFSLLQSAHPGEHLAQGASRLQVLQAQLTWVRVSHEHLLQRVDNFTQNPGMFR 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy     86 LAAEDSPSFSLLQSAHPGEHLAQGASRLQVLQAQLTWVRVSHEHLLQRVDNFTQNPGMFR 145

Db    121 IKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGTTGPSGPQGPPGVKGEAG 180
          |||||||||||||||||||||||||||||||||||||:||||||||||||||||||||||
Qy    146 IKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAG 205

Db    181 LQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKG 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    206 LQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKG 265

Db    241 DAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPGAKGEPG 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    266 DAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPGAKGEPG 325

Db    301 SAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLAG 360
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    326 SAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLAG 385

Db    361 PKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENSVSVRIVGSSNRGRAEVYYSGTWGT 420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    386 PKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENSVSVRIVGSSNRGRAEVYYSGTWGT 445

Db    421 ICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQIWLDNVQCRGTESTLWSCTKNSWGH 480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy    446 ICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQIWLDNVQCRGTESTLWSCTKNSWGH 505

Db    481 HDCSHEEDAGVECSV 495
          |||||||||||||||
Qy    506 HDCSHEEDAGVECSV 520


RESULT    4
ID   US-08-893-467A-2     STANDARD;     PRT;   518 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 2, Application US/08893467A
XX
CC    Sequence 2, Application US/08893467A
CC     GENERAL INFORMATION:
CC       APPLICANT:  Tryggvason, Karl
CC       APPLICANT:  Elomaa, Outi
CC       APPLICANT:  Kangas, Maarit
CC       TITLE OF INVENTION:  An Insolated DNA Sequence For a
CC       TITLE OF INVENTION:  Novel Macrophage Receptor with
CC       TITLE OF INVENTION:  a Collagenous Domain and the
CC       TITLE OF INVENTION:  Polypeptide Chain Encoded by
CC       TITLE OF INVENTION:  such a Sequence
CC       NUMBER OF SEQUENCES:  2
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  Fay, Sharpe, Beall, Fagan,
CC         ADDRESSEE:  Minnich & McKee
CC         STREET:  1100 Superior Avenue
CC         STREET:  Suite 700
CC         CITY:  Cleveland
CC         STATE:  Ohio
CC         COUNTRY:  U.S.A.
CC         ZIP:  44114-2518
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Diskette, 3.50 inch,
CC         MEDIUM TYPE:  720  Kb storable
CC         COMPUTER:  IBM PS/2, Model 35 SX
CC         OPERATING SYSTEM:  DOS 5.0
CC         SOFTWARE:  Word Perfect 5.1
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/893,467A
CC         FILING DATE:
CC         CLASSIFICATION:  435
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Minnich, Richard J.
CC         REGISTRATION NUMBER:  24,175
CC         REFERENCE/DOCKET NUMBER:  TRV 2 009
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  (216) 861-5582
CC         TELEFAX:  (216) 241-1666
CC         TELEX:  (216) 980162
CC     INFORMATION FOR SEQ ID NO:  2:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  518 amino acids
CC         TYPE:  amino acid
```

```
CC        STRANDEDNESS:  Single
CC        TOPOLOGY:  Linear
SQ   SEQUENCE   518 AA; 52730 MW; 1281000 CN;

  Query Match           65.9%;  Score 2414;  DB 12;  Length 518;
  Best Local Similarity  67.3%;  Pred. No. 5.98e-186;
  Matches   352;  Conservative   73;  Mismatches  89;  Indels   9;  Gaps   8;

Db      1 MGSKELLKEEDFLGSTEDRADFDQAMFPVMETFEINDPVPKKRNGGTFCMAVMAIHLILL 60
          | :| :|||:::|: |:: | | | : : || |||| | ||:||| | :||: | ||||
Qy      1 MRNKKILKEDELLSETQQ-AAFHQ-I-A-MEPFEINVPKPKRRNGVNFSLAVVVIYLILL 56

Db     61 TAGTALLLIQVLNLQEQLQMLEMCCGNGSLAIEDKPFFSL-QWA-PKTHLVPRAQGLQAL 118
          |||::||::|||||| :|::|||   | :|| || | ||| | | |  ||   |  || |
Qy     57 TAGAGLLVVQVLNLQARLRVLEMYFLNDTLAAEDSPSFSLLQSAHPGEHLAQGASRLQVL 116

Db    119 QAQLSWVHTSQEQLRQQFNNLTQNPELFQIKGERGSPG-P--KGAPGAPGIPGLPGPAAE 175
          ||||:||: |:|:| |: :|:|||| :|:||||:|:||    |||| | || || |||:||
Qy    117 QAQLTWVRVSHEHLLQRVDNFTQNPGMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAE 176

Db    176 KGEKGAAGRDGTPGVQGPQGPPGSKGEAGLQGLTGAPGKQGATGAPGPRGEKGSKGDIGL 235
          || ||| ||||: |  ||||||| ||||||||  ||||||||||:|||:|||||||| ||
Qy    177 KGAKGAMGRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGL 236

Db    236 TGPKGEHGTKGDKGDLGLPGNKGDMGMKGDTGPMGSPGAQGGKGDAGKPGLPGLAGSPGV 295
           ||||| ||||:||||||||:||| |||||:| ||:|||||:||| |:|| ||||| ||
Qy    237 IGPKGETGTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGA 296

Db    296 KGDQGKPGVQGVPGPQGAPGLSGAKGEPGRTGLPGPAGPPGIAGNPGIAGVKGSKGDTGI 355
          ||||| ||:|||||| || | :|||||| :| || || || :|:|| :|:||||||||:
Qy    297 KGDQGQPGLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTGL 356

Db    356 QGQKGTKGESGVPGLVGRKGDTGSPGLAGPKGEPGRVGQKGDPGMKGSSGQQGQKGEKGQ 415
          ||| | |||||||| | ||: |||||||||| ||: ||||| |:|||||:|:|| |||||:
Qy    357 QGQQGRKGESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGE 416

Db    416 KGESFQRVRIMGGTNRGRAEVYYNNEWGTICDDDWDNNDATVFCRMLGYSRGRALSSYGG 475
          :||:   |||:|::|||||||||: |||||||:|:|:|| |||||||||:|||| |:
Qy    417 RGENSVSVRIVGSSNRGRAEVYYSGTWGTICDDEWQNSDAIVFCRMLGYSKGRALYKVGA 476

Db    476 GSGNIWLDNVNCRGTENSLWDCSKNSWGNHNCVHNEDAGVECS 518
          |:| ||||||| |||||::|| |:|||||:|:| |:||||||||
Qy    477 GTGQIWLDNVQCRGTESTLWSCTKNSWGHHDCSHEEDAGVECS 519


RESULT    5
ID   US-08-934-168-3     STANDARD;     PRT;   518 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 3, Application US/08934168
XX
CC    Sequence 3, Application US/08934168
CC     GENERAL INFORMATION:
CC       APPLICANT:  Bandman, Olga
CC       APPLICANT:  Lal, Preeti
CC       APPLICANT:  Corley, Neil C.
CC       APPLICANT:  Shah, Purvi
CC       TITLE OF INVENTION:  HUMAN MARCO
CC       NUMBER OF SEQUENCES:  3
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  Incyte Pharmaceuticals, Inc.
CC         STREET:  3174 Porter Drive
CC         CITY:  Palo Alto
CC         STATE:  CA
CC         COUNTRY:  USA
CC         ZIP:  94304
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Diskette
CC         COMPUTER:  IBM Compatible
CC         OPERATING SYSTEM:  DOS
CC         SOFTWARE:  FastSEQ for Windows Version 2.0
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/934,168
CC         FILING DATE:  Herewith
CC         CLASSIFICATION:  435
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:
CC         FILING DATE:
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Billings, Lucy J.
CC         REGISTRATION NUMBER:  36,749
CC         REFERENCE/DOCKET NUMBER:  PF-0392 US
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  650-855-0555
CC         TELEFAX:  650-845-4166
CC         TELEX:
CC     INFORMATION FOR SEQ ID NO:  3:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  518 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       IMMEDIATE SOURCE:
CC         LIBRARY:  GenBank
CC         CLONE:  682723
SQ   SEQUENCE   518 AA; 52730 MW; 1281000 CN;

  Query Match           65.9%;  Score 2414;  DB 13;  Length 518;
  Best Local Similarity  67.3%;  Pred. No. 5.98e-186;
  Matches   352;  Conservative   73;  Mismatches  89;  Indels   9;  Gaps   8;

Db      1 MGSKELLKEEDFLGSTEDRADFDQAMFPVMETFEINDPVPKKRNGGTFCMAVMAIHLILL 60
          | :| :|||:::|: |:: | | | : : || |||| | ||:||| | :||: | ||||
Qy      1 MRNKKILKEDELLSETQQ-AAFHQ-I-A-MEPFEINVPKPKRRNGVNFSLAVVVIYLILL 56

Db     61 TAGTALLLIQVLNLQEQLQMLEMCCGNGSLAIEDKPFFSL-QWA-PKTHLVPRAQGLQAL 118
          |||::||::|||||| :|::|||   | :|| || | ||| | | |  ||   |  || |
Qy     57 TAGAGLLVVQVLNLQARLRVLEMYFLNDTLAAEDSPSFSLLQSAHPGEHLAQGASRLQVL 116

Db    119 QAQLSWVHTSQEQLRQQFNNLTQNPELFQIKGERGSPG-P--KGAPGAPGIPGLPGPAAE 175
          ||||:||: |:|:| |: :|:|||| :|:||||:|:||    ||| | || || |||:||
Qy    117 QAQLTWVRVSHEHLLQRVDNFTQNPGMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAE 176

Db    176 KGEKGAAGRDGTPGVQGPQGPPGSKGEAGLQGLTGAPGKQGATGAPGPRGEKGSKGDIGL 235
          || ||| ||||: |  ||||||| ||||||||  ||||||||||:|||:|||||||| ||
Qy    177 KGAKGAMGRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGL 236

Db    236 TGPKGEHGTKGDKGDLGLPGNKGDMGMKGDTGPMGSPGAQGGKGDAGKPGLPGLAGSPGV 295
           ||||| ||||:||||||||:||| |||||:| ||:|||||:||| |:|| ||||| ||
Qy    237 IGPKGETGTKGEKGDLGLPGSKGDRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGA 296

Db    296 KGDQGKPGVQGVPGPQGAPGLSGAKGEPGRTGLPGPAGPPGIAGNPGIAGVKGSKGDTGI 355
          ||||| ||:|||||| || | :|||||| :| || || || :|:|| :|:||||||||:
Qy    297 KGDQGQPGLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTGL 356

Db    356 QGQKGTKGESGVPGLVGRKGDTGSPGLAGPKGEPGRVGQKGDPGMKGSSGQQGQKGEKGQ 415
          ||| | |||||||| | ||: |||||||||| ||: ||||| |:|||||:|:|| |||||:
Qy    357 QGQQGRKGESGVPGPAGVKGEQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGE 416

Db    416 KGESFQRVRIMGGTNRGRAEVYYNNEWGTICDDDWDNNDATVFCRMLGYSRGRALSSYGG 475
          :||:   |||:|::|||||||||: |||||||:|:|:|| |||||||||:|||| |:
Qy    417 RGENSVSVRIVGSSNRGRAEVYYSGTWGTICDDEWQNSDAIVFCRMLGYSKGRALYKVGA 476

Db    476 GSGNIWLDNVNCRGTENSLWDCSKNSWGNHNCVHNEDAGVECS 518
          |:| ||||||| |||||::|| |:|||||:|:| |:||||||||
Qy    477 GTGQIWLDNVQCRGTESTLWSCTKNSWGHHDCSHEEDAGVECS 519


RESULT    6
ID   US-08-794-795-7     STANDARD;     PRT;   489 AA.
XX
AC   xxxxxx
XX
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DT
XX
DE   Sequence 7, Application US/08794795
XX
CC    Sequence 7, Application US/08794795
CC     GENERAL INFORMATION:
CC       APPLICANT:  Elshourlagy, Nabil
CC       APPLICANT:  Adamou, John
CC       APPLICANT:  Gross, Mitchell
CC       APPLICANT:  Lysko, Paul
CC       TITLE OF INVENTION:  Human Macro Scavenger Rec
CC       TITLE OF INVENTION:  eptor
CC       NUMBER OF SEQUENCES:  9
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  SmithKline Beecham Corporation
CC         STREET:  709 Swedeland Road
CC         CITY:  King of Prussia
CC         STATE:  PA
CC         COUNTRY:  USA
CC         ZIP:  19406
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Diskette
CC         COMPUTER:  IBM Compatible
CC         OPERATING SYSTEM:  DOS
CC         SOFTWARE:  FastSEQ for Windows Version 2.0
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/794,795
CC         FILING DATE:  04-FEB-1997
CC         CLASSIFICATION:  435
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  ATG50009P
CC         FILING DATE:  22-MAY-1996
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Han, William T
CC         REGISTRATION NUMBER:  34,344
CC         REFERENCE/DOCKET NUMBER:  ATG50009
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  610-270-5219
CC         TELEFAX:  610-270-4026
CC         TELEX:
CC     INFORMATION FOR SEQ ID NO:  7:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  489 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   489 AA; 49441 MW; 1141296 CN;

  Query Match          64.6%;  Score 2369;  DB 11;  Length 489;
  Best Local Similarity  69.2%;  Pred. No. 3.32e-182;
  Matches  342;  Conservative   63;  Mismatches  84;  Indels   5;  Gaps   4;

Db      1 METFEINDPVPKKRNGGTFCMAVMAIHLILLTAGTALLLIQVLNLQEQLQMLEMCCGNGS 60
          || |||| | ||:||| | :||: | |||||||::||::|||||| :|::|||   | :
Qy     26 MEPFEINVPKPKRRNGVNFSLAVVVIYLILLTAGAGLLVVQVLNLQARLRVLEMYFLNDT 85

Db     61 LAIEDKPFFSL-QWA-PKTHLVPRAQGLQALQAQLSWVHTSQEQLRQQFNNLTQNPELFQ 118
          || || | ||| | | |  ||   |  || |||||:||: |:|:| |: :|:|||| :|:
Qy     86 LAAEDSPSFSLLQSAHPGEHLAQGASRLQVLQAQLTWVRVSHEHLLQRVDNFTQNPGMFR 145

Db    119 IKGERGSPG-P--KGAPGAPGIPGLPGPAAEKGEKGAAGRDGTPGVQGPQGPPGSKGEAG 175
          ||||:|:||    ||| | || || |||:|||| ||| ||||: |  |||||| |||||
Qy    146 IKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAG 205

Db    176 LQGLTGAPGKQGATGAPGPRGEKGSKGDIGLTGPKGEHGTKGDKGDLGLPGNKGDMGMKG 235
          |||  |||||||||||:|||:|||||||| || ||||| ||||:|||||||:||| ||||
Qy    206 LQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKG 265

Db    236 DTGPMGSPGAQGGKGDAGKPGLPGLAGSPGVKGDQGKPGVQGVPGPQGAPGLSGAKGEPG 295
          |:| ||:|||||:||| |:|| ||||| || ||||| ||:|||||| || | :|||||||
Qy    266 DAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPGAKGEPG 325

Db    296 RTGLPGPAGPPGIAGNPGIAGVKGSKGDTGIQGQKGTKGESGVPGLVGRKGDTGSPGLAG 355
          :| || || || :|:|| :|:||||||||:||| | |||||||  | ||: |||||||
Qy    326 SAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLAG 385

Db    356 PKGEPGRVGQKGDPGMKGSSGQQGQKGEKGQKGESFQRVRIMGGTNRGRAEVYYNNEWGT 415
          ||| ||: ||||| |:||||:|| |||||::||:  |||:|:::|||||||||:  |||
Qy    386 PKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENSVSVRIVGSSNRGRAEVYYSGTWGT 445

Db    416 ICDDDWDNNDATVFCRMLGYSRGRALSSYGGGSGNIWLDNVNCRGTENSLWDCSKNSWGN 475
          ||||:|:|:|| |||||||||:||||  |:|:| |||||| ||||||:|| |:|||||:
Qy    446 ICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQIWLDNVQCRGTESTLWSCTKNSWGH 505

Db    476 HNCVHNEDAGVECS 489
          |:| |:||||||||
Qy    506 HDCSHEEDAGVECS 519


RESULT    7
ID   US-08-478-029A-66     STANDARD;     PRT;   357 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 66, Application US/08478029A
XX
CC    Sequence 66, Application US/08478029A
CC     GENERAL INFORMATION:
CC       APPLICANT:  Ferrari, Franco A.
CC       APPLICANT:  Cappello, Joseph
CC       TITLE OF INVENTION:  Functional Recombinantly Prepared
CC       TITLE OF INVENTION:  Synthetic Protein Polymer
CC       NUMBER OF SEQUENCES:  119
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
CC         STREET:  Four Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  CA
CC         COUNTRY:  US
CC         ZIP:  94111
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/478,029A
CC         FILING DATE:  07-JUN-1995
CC         CLASSIFICATION:  435
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/609,716
CC         FILING DATE:  06-NOV-1990
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/269,429
CC         FILING DATE:  09-NOV-1988
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/114,618
CC         FILING DATE:  29-OCT-1987
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 06/927,258
CC         FILING DATE:  04-NOV-1986
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Trecartin, Richard F.
CC         REGISTRATION NUMBER:  31,801
CC         REFERENCE/DOCKET NUMBER:  A-55186-8/RFT/MTK
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  415-781-1989
CC         TELEFAX:  415-398-3249
CC     INFORMATION FOR SEQ ID NO:  66:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  357 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
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CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  protein
SQ   SEQUENCE   357 AA; 31954 MW; 670322 CN;

  Query Match           21.7%;  Score 796;  DB 8;  Length 357;
  Best Local Similarity  48.4%;  Pred. No. 2.12e-52;
  Matches   134;  Conservative   45;  Mismatches  95;  Indels   3;  Gaps   2;

Db     40 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 99
          |  |:||  |  |: | ||:|||||| |: || :|  |  || |::|| || |  | :|
Qy    148 GEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGLQ 207

Db    100 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 159
          || |:||  || | ||| |  |: |  |  | :|::| ||  |  | :|: |  |  | :
Qy    208 GPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKGDA 267

Db    160 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 219
          |  ||||: |: |  | ||||| :|:||:|||:|:  | | :| |||:|:|| ||| | |
Qy    268 GVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQ--P-GLQGVPGPPGAVGHPGAKGEP 324

Db    220 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 279
          |::|:|| :| ||:||:||: |  |  |  | :|: | ||  | |||||  |  |:|| :
Qy    325 GSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLA 384

Db    280 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAG 316
          || |:|| :|  |  |  |::|  |: | ||:||: :
Qy    385 GPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENS 421


RESULT    8
ID   US-08-475-411A-66     STANDARD;     PRT;   357 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 66, Application US/08475411A
XX
CC    Sequence 66, Application US/08475411A
CC     GENERAL INFORMATION:
CC       APPLICANT:  Ferrari, Franco A.
CC       APPLICANT:  Cappello, Joseph
CC       TITLE OF INVENTION:  Functional Recombinantly Prepared
CC       TITLE OF INVENTION:  Synthetic Protein Polymer
CC       NUMBER OF SEQUENCES:  119
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
CC         STREET:  Four Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  CA
CC         COUNTRY:  US
CC         ZIP:  94111
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/475,411A
CC         FILING DATE:  07-JUN-1995
CC         CLASSIFICATION:  435
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/609,716
CC         FILING DATE:  06-NOV-1990
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/269,429
CC         FILING DATE:  09-NOV-1988
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/114,618
CC         FILING DATE:  29-OCT-1987
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 06/927,258
CC         FILING DATE:  04-NOV-1986
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Trecartin, Richard F.
CC         REGISTRATION NUMBER:  31,801
CC         REFERENCE/DOCKET NUMBER:  A-55186-9/RFT/MTK
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  415-781-1989
CC         TELEFAX:  415-398-3249
CC      INFORMATION FOR SEQ ID NO:  66:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  357 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   357 AA; 31954 MW; 670322 CN;

  Query Match           21.7%;  Score 796;  DB 8;  Length 357;
  Best Local Similarity  48.4%;  Pred. No. 2.12e-52;
  Matches   134;  Conservative   45;  Mismatches  95;  Indels   3;  Gaps   2;

Db     40 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 99
          |  |:||  |  |: | ||:|||||| |: || :|  |  || |::|| || |  | :|
Qy    148 GEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGLQ 207

Db    100 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 159
          || |:||  || | ||| |  |: |  |  | :|::| ||  |  | :|: |  |  | :
Qy    208 GPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKGDA 267

Db    160 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 219
          |  ||||: |: |  | ||||| :|:||:|||:|:  | | :| |||:|:|| ||| | |
Qy    268 GVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQ--P-GLQGVPGPPGAVGHPGAKGEP 324

Db    220 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAGPKGADGSPGPAGPVGSPGAPGPP 279
          |::|:|| :| ||:||:||: |  |  |  | :|: | ||  | |||||  |  |:|| :
Qy    325 GSAGSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLA 384

Db    280 GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRGDAG 316
          || |:|| :|  |  |  |::|  |: | ||:||: :
Qy    385 GPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENS 421


RESULT    9
ID   US-08-475-411A-65     STANDARD;     PRT;   408 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 65, Application US/08475411A
XX
CC    Sequence 65, Application US/08475411A
CC     GENERAL INFORMATION:
CC       APPLICANT:  Ferrari, Franco A.
CC       APPLICANT:  Cappello, Joseph
CC       TITLE OF INVENTION:  Functional Recombinantly Prepared
CC       TITLE OF INVENTION:  Synthetic Protein Polymer
CC       NUMBER OF SEQUENCES:  119
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
CC         STREET:  Four Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  CA
CC         COUNTRY:  US
CC         ZIP:  94111
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/475,411A
CC         FILING DATE:  07-JUN-1995
CC         CLASSIFICATION:  435
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CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/609,716
CC         FILING DATE:  06-NOV-1990
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/269,429
CC         FILING DATE:  09-NOV-1988
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/114,618
CC         FILING DATE:  29-OCT-1987
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 06/927,258
CC         FILING DATE:  04-NOV-1986
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Trecartin, Richard F.
CC         REGISTRATION NUMBER:  31,801
CC         REFERENCE/DOCKET NUMBER:  A-55186-9/RFT/MTK
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  415-781-1989
CC         TELEFAX:  415-398-3249
CC     INFORMATION FOR SEQ ID NO:  65:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  408 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   408 AA; 35237 MW; 959886 CN;

  Query Match           20.7%;  Score 757;  DB 8;  Length 408;
  Best Local Similarity  47.6%;  Pred. No. 3.07e-49;
  Matches   129;  Conservative   38;  Mismatches 104;  Indels   0;  Gaps   0;

Db     55 GPPGPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAP 114
          |  |:||  |  |::| ||||||||||:  |: || |  |: ||:|| ||:|  | :|
Qy    148 GEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGLQ 207

Db    115 GPPGPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPP 174
          || |:||  |: |:||| |  |: |  |  || |  |: |  |  | ||: |  |  | :
Qy    208 GPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKGDA 267

Db    175 GPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAPGPP 234
          |  ||||: |: |  | ||||| :| ||: |  | ||  | |||||: |  |: | ||::
Qy    268 GVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPGAKGEPGSA 327

Db    235 GPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPPGPP 294
          |:|| :| ||:||:||: |  |: | :|  |  |  | :| |||:|  |  |:|| :||
Qy    328 GSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLAGPK 387

Db    295 GPPGPAGPVGSPGAPGPPGPPGPPGPPGAPG 325
          |:|| ||  |  |  |::|  |  |  |  |
Qy    388 GAPGQAGQKGDQGVKGSSGEQGVKGEKGERG 418


RESULT   10
ID   US-08-478-029A-65     STANDARD;     PRT;   408 AA.
XX
AC   xxxxxx
XX
DT
XX
DE   Sequence 65, Application US/08478029A
XX
CC    Sequence 65, Application US/08478029A
CC     GENERAL INFORMATION:
CC       APPLICANT:  Ferrari, Franco A.
CC       APPLICANT:  Cappello, Joseph
CC       TITLE OF INVENTION:  Functional Recombinantly Prepared
CC       TITLE OF INVENTION:  Synthetic Protein Polymer
CC       NUMBER OF SEQUENCES:  119
CC       CORRESPONDENCE ADDRESS:
CC         ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
CC         STREET:  Four Embarcadero Center, Suite 3400
CC         CITY:  San Francisco
CC         STATE:  CA
CC         COUNTRY:  US
CC         ZIP:  94111
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/478,029A
CC         FILING DATE:  07-JUN-1995
CC         CLASSIFICATION:  435
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/609,716
CC         FILING DATE:  06-NOV-1990
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/269,429
CC         FILING DATE:  09-NOV-1988
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 07/114,618
CC         FILING DATE:  29-OCT-1987
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  US 06/927,258
CC         FILING DATE:  04-NOV-1986
CC       ATTORNEY/AGENT INFORMATION:
CC         NAME:  Trecartin, Richard F.
CC         REGISTRATION NUMBER:  31,801
CC         REFERENCE/DOCKET NUMBER:  A-55186-8/RFT/MTK
CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  415-781-1989
CC         TELEFAX:  415-398-3249
CC     INFORMATION FOR SEQ ID NO:  65:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  408 amino acids
CC         TYPE:  amino acid
CC         STRANDEDNESS:  single
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   408 AA; 35237 MW; 959886 CN;

  Query Match           20.7%;  Score 757;  DB 8;  Length 408;
  Best Local Similarity  47.6%;  Pred. No. 3.07e-49;
  Matches   129;  Conservative   38;  Mismatches 104;  Indels   0;  Gaps   0;

Db     55 GPPGPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAP 114
          |  |:||  |  |::| ||||||||||:  |: || |  |: ||:|| ||:|  | :|
Qy    148 GEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGLQ 207

Db    115 GPPGPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPP 174
          || |:||  |: |:||| |  |: |  |  || |  |: |  |  | ||: |  |  | :
Qy    208 GPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKGDRGMKGDA 267

Db    175 GPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAPGPP 234
          |  ||||: |: |  | ||||| :| ||: |  | ||  | |||||: |  |: | ||::
Qy    268 GVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPGAKGEPGSA 327

Db    235 GPPGPPGPPGAPGPPGPPGPPGPPGPAGPVGSPGAPGPPGPPGPPGPPGAPGPPGPPGPP 294
          |:|| :| ||:||:||: |  |: | :|  |  |  | :| |||:|  |  |:|| :||
Qy    328 GSPGRAGLPGSPGSPGATGLKGSKGDTGLQGQQGRKGESGVPGPAGVKGEQGSPGLAGPK 387

Db    295 GPPGPAGPVGSPGAPGPPGPPGPPGPPGAPG 325
          |:|| ||  |  |  |::|  |  |  |  |
Qy    388 GAPGQAGQKGDQGVKGSSGEQGVKGEKGERG 418


RESULT   11
ID   US-08-763-497-8     STANDARD;     PRT;   1107 AA.
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AC   xxxxxx
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DT
XX
DE   Sequence 8, Application US/08763497
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CC    Sequence 8, Application US/08763497
CC     GENERAL INFORMATION:
CC       APPLICANT:  Gruskin et al.
CC       TITLE OF INVENTION:  Recombinant Chimeric Proteins And
CC       TITLE OF INVENTION:  Methods Of Use Thereof
CC       NUMBER OF SEQUENCES:  8
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30 (EPO)
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/763,497
CC         FILING DATE:  11-DEC-1996
CC         CLASSIFICATION:  435
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  08/259,263
CC         FILING DATE:
CC     INFORMATION FOR SEQ ID NO:  8:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  1107 amino acids
CC         TYPE:  amino acid
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   1107 AA; 100327 MW; 5735272 CN;

  Query Match           20.7%;  Score 757;  DB 11;  Length 1107;
  Best Local Similarity  45.1%;  Pred. No. 3.07e-49;
  Matches   134;  Conservative   47;  Mismatches 113;  Indels   3;  Gaps   2;

Db    289 EPGPVGVQGPPGPAGEEGKRGARGEPGPTGLPGPPGERGGPGSRGFPGADGVAGPKGPAG 348
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Qy    140 NPGMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPG 199

Db    349 ERGSPGPAGPKGSPGEAGRPGEAGLPGAKGLTGSPGSPGPDGKTGPPGPAGQDGRPGPPG 408
          :| :|  || |:|| |  | :|  | ||  |  |  || | ||  |  |: | ||: |
Qy    200 VKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKG 259

Db    409 PPGARGQAGVMGFPGPKGAAGEPGKAGERGVPGPPGAVGPAGKDGEAGAQGPPGPAGPAG 468
            | :|:||||| ||: |: |: |::|  |::| ||| |  |  |  |  ||||: | :|
Qy    260 DRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPG 319

Db    469 ERGEQGPAGSPGFQGLPGPAGPPGEAGKPGEQGVPGDLGAPGPSGARGERGFPGERGVQG 528
          :|| |:|||||  ||||::|:|| :|  |  |  | |   |  | :|| | ||  || |
Qy    320 AKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTG-L--QGQQGRKGESGVPGPAGVKG 376

Db    529 PPGPAGPRGANGAPGNDGAKGDAGAPGAPGSQGAPGLQGMPGERGAAGLPGPKGDRG 585
            |::|  |::|||| | ||| |  |::| ||  |  |  || : :      ::||
Qy    377 EQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENSVSVRIVGSSNRG 433


RESULT   12
ID   US-08-763-497-5     STANDARD;     PRT;   1169 AA.
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AC   xxxxxx
XX
DT
XX
DE   Sequence 5, Application US/08763497
XX
CC    Sequence 5, Application US/08763497
CC     GENERAL INFORMATION:
CC       APPLICANT:  Gruskin et al.
CC       TITLE OF INVENTION:  Recombinant Chimeric Proteins And
CC       TITLE OF INVENTION:  Methods Of Use Thereof
CC       NUMBER OF SEQUENCES:  8
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30 (EPO)
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/763,497
CC         FILING DATE:  11-DEC-1996
CC         CLASSIFICATION:  435
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  08/259,263
CC         FILING DATE:
CC     INFORMATION FOR SEQ ID NO:  5:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  1169 amino acids
CC         TYPE:  amino acid
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   1169 AA; 107458 MW; 6480635 CN;

  Query Match           20.7%;  Score 757;  DB 11;  Length 1169;
  Best Local Similarity  45.1%;  Pred. No. 3.07e-49;
  Matches   134;  Conservative   47;  Mismatches 113;  Indels   3;  Gaps   2;

Db    289 EPGPVGVQGPPGPAGEEGKRGARGEPGPTGLPGPPGERGGPGSRGFPGADGVAGPKGPAG 348
          :||   : |  |::| :| :|| | ||: | ||||:|:|: |: |  || | :|| ||:|
Qy    140 NPGMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPG 199

Db    349 ERGSPGPAGPKGSPGEAGRPGEAGLPGAKGLTGSPGSPGPDGKTGPPGPAGQDGRPGPPG 408
          :| :|  || |:||  |  | :|  | ||  |  |  || | ||  |  |: | ||: |
Qy    200 VKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKG 259

Db    409 PPGARGQAGVMGFPGPKGAAGEPGKAGERGVPGPPGAVGPAGKDGEAGAQGPPGPAGPAG 468
            | :|:||||| ||: |: |: |::|  |::| ||| |  |  |  |  ||||: | :|
Qy    260 DRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPG 319

Db    469 ERGEQGPAGSPGFQGLPGPAGPPGEAGKPGEQGVPGDLGAPGPSGARGERGFPGERGVQG 528
          :|| |:|||||  ||||::|:|| :|  |  |  | |   |  | :|| | ||  || |
Qy    320 AKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTG-L--QGQQGRKGESGVPGPAGVKG 376

Db    529 PPGPAGPRGANGAPGNDGAKGDAGAPGAPGSQGAPGLQGMPGERGAAGLPGPKGDRG 585
            |::|  |::|||| | ||| |  |::| ||  |  |  || : :      ::||
Qy    377 EQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENSVSVRIVGSSNRG 433


RESULT   13
ID   US-08-763-497-6     STANDARD;     PRT;   1171 AA.
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AC   xxxxxx
XX
DT
XX
DE   Sequence 6, Application US/08763497
XX
CC    Sequence 6, Application US/08763497
CC     GENERAL INFORMATION:
CC       APPLICANT:  Gruskin et al.
CC       TITLE OF INVENTION:  Recombinant Chimeric Proteins And
CC       TITLE OF INVENTION:  Methods Of Use Thereof
CC       NUMBER OF SEQUENCES:  8
CC       COMPUTER READABLE FORM:
CC         MEDIUM TYPE:  Floppy disk
CC         COMPUTER:  IBM PC compatible
CC         OPERATING SYSTEM:  PC-DOS/MS-DOS
CC         SOFTWARE:  PatentIn Release #1.0, Version #1.30 (EPO)
CC       CURRENT APPLICATION DATA:
CC         APPLICATION NUMBER:  US/08/763,497
CC         FILING DATE:  11-DEC-1996
CC         CLASSIFICATION:  435
CC       PRIOR APPLICATION DATA:
CC         APPLICATION NUMBER:  08/259,263
CC         FILING DATE:
CC     INFORMATION FOR SEQ ID NO:  6:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  1171 amino acids
CC         TYPE:  amino acid
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
SQ   SEQUENCE   1171 AA; 107798 MW; 6537396 CN;
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  Query Match          20.7%;  Score 757;  DB 11;  Length 1171;
  Best Local Similarity  45.1%;  Pred. No. 3.07e-49;
  Matches  134;  Conservative   47;  Mismatches 113;  Indels   3;  Gaps   2;

Db    289 EPGPVGVQGPPGPAGEEGKRGARGEPGPTGLPGPPGERGGPGSRGFPGADGVAGPKGPAG 348
          :||   : |  |::| :| :|| | ||: | ||||:|:|: |: |  || | :|| ||:|
Qy    140 NPGMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPG 199

Db    349 ERGSPGPAGPKGSPGEAGRPGEAGLPGAKGLTGSPGSPGPDGKTGPPGPAGQDGRPGPPG 408
          :| :|  || |:||  |  | :|  | ||  |  |  || | ||  |  |: | ||: |
Qy    200 VKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKG 259

Db    409 PPGARGQAGVMGFPGPKGAAGEPGKAGERGVPGPPGAVGPAGKDGEAGAQGPPGPAGPAG 468
          | :|:||||| ||: |: |: |::|  |::| ||| |  |  |  |  ||||: | :|
Qy    260 DRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPG 319

Db    469 ERGEQGPAGSPGFQGLPGPAGPPGEAGKPGEQGVPGDLGAPGPSGARGERGFPGERGVQG 528
          :|| |:|||||  ||||::|:|| :|  |  |  | |   |  | :|| | ||  || |
Qy    320 AKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTG-L--QGQQGRKGESGVPGPAGVKG 376

Db    529 PPGPAGPRGANGAPGNDGAKGDAGAPGAPGSQGAPGLQGMPGERGAAGLPGPKGDRG 585
          |::|  |::|||  | ||| |  |::| ||  |  |  || : :      ::||
Qy    377 EQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENSVSVRIVGSSNRG 433


RESULT  14
ID  US-08-187-319A-18     STANDARD;     PRT;   1341 AA.
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AC  xxxxxx
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DT
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DE  Sequence 18, Application US/08187319A
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CC   Sequence 18, Application US/08187319A
CC    GENERAL INFORMATION:
CC      APPLICANT:  Qvist, Per
CC      APPLICANT:  Bonde, Martin
CC      TITLE OF INVENTION:  A Method for Assaying Collagen Fragments
CC      TITLE OF INVENTION:  in Body Fluids, A Test Kit and Means for Carrying Out the
CC      TITLE OF INVENTION:  Method and Use of the Method to Diagnose the Presence of
CC      TITLE OF INVENTION:  Disorders Associated with the Metabolism of
CC      NUMBER OF SEQUENCES:  21
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Darby & Darby PC
CC        STREET:  805 Third Avenue
CC        CITY:  New York
CC        STATE:  New York
CC        COUNTRY:  USA
CC        ZIP:  10022
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/187,319A
CC        FILING DATE:  21-JAN-1994
CC        CLASSIFICATION:  436
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Gogoris, Adda C
CC        REGISTRATION NUMBER:  29,714
CC        REFERENCE/DOCKET NUMBER:  4305/08701
CC      TELECOMMUNICATION INFORMATION:
CC        TELEPHONE:  212-527-7700
CC        TELEFAX:  212-753-6237
CC        TELEX:  236687
CC     INFORMATION FOR SEQ ID NO:  18:
CC      SEQUENCE CHARACTERISTICS:
CC        LENGTH:  1341 amino acids
CC        TYPE:  amino acid
CC        TOPOLOGY:  linear
CC      MOLECULE TYPE:  protein
CC      ORIGINAL SOURCE:
CC        ORGANISM:  Homo sapiens
CC      IMMEDIATE SOURCE:
CC        CLONE:  COLLAGEN ALPHA 1 (I)
SQ  SEQUENCE   1341 AA; 128257 MW; 8816128 CN;

  Query Match          20.7%;  Score 757;  DB 5;  Length 1341;
  Best Local Similarity  45.1%;  Pred. No. 3.07e-49;
  Matches  134;  Conservative   47;  Mismatches 113;  Indels   3;  Gaps   2;

Db    326 EPGPVGVQGPPGPAGEEGKRGARGEPGPTGLPGPPGERGGPGSRGFPGADGVAGPKGPAG 385
          :||   : |  |::| :| :|| | ||: | ||||:|:|: |: |  || | :|| ||:|
Qy    140 NPGMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPG 199

Db    386 ERGSPGPAGPKGSPGEAGRPGEAGLPGAKGLTGSPGSPGPDGKTGPPGPAGQDGRPGPPG 445
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Qy    200 VKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKG 259

Db    446 PPGARGQAGVMGFPGPKGAAGEPGKAGERGVPGPPGAVGPAGKDGEAGAQGPPGPAGPAG 505
          | :|:||||| ||: |: |: |::|  |::| ||| |  |  |  |  ||||: | :|
Qy    260 DRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPG 319

Db    506 ERGEQGPAGSPGFQGLPGPAGPPGEAGKPGEQGVPGDLGAPGPSGARGERGFPGERGVQG 565
          :|| |:|||||  ||||::|:|| :|  |  |  | |   |  | :|| | ||  || |
Qy    320 AKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTG-L--QGQQGRKGESGVPGPAGVKG 376

Db    566 PPGPAGPRGANGAPGNDGAKGDAGAPGAPGSQGAPGLQGMPGERGAAGLPGPKGDRG 622
          |::|  |::|||  | ||| |  |::| ||  |  |  || : :      ::||
Qy    377 EQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENSVSVRIVGSSNRG 433


RESULT  15
ID  US-08-963-825-18     STANDARD;     PRT;   1341 AA.
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AC  xxxxxx
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DT
XX
DE  Sequence 18, Application US/08963825
XX
CC   Sequence 18, Application US/08963825
CC    GENERAL INFORMATION:
CC      APPLICANT:  Qvist, Per
CC      APPLICANT:  Bonde, Martin
CC      TITLE OF INVENTION:  A Method for Assaying Collagen Fragments
CC      TITLE OF INVENTION:  in Body Fluids, A Test Kit and Means for Carrying Out t
CC      TITLE OF INVENTION:  Method and Use of the Method to Diagnose the Presence o
CC      TITLE OF INVENTION:  Disorders Associated with the Metabolism of
CC      NUMBER OF SEQUENCES:  21
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE:  Darby & Darby PC
CC        STREET:  805 Third Avenue
CC        CITY:  New York
CC        STATE:  New York
CC        COUNTRY:  USA
CC        ZIP:  10022
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE:  Floppy disk
CC        COMPUTER:  IBM PC compatible
CC        OPERATING SYSTEM:  PC-DOS/MS-DOS
CC        SOFTWARE:  PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/963,825
CC        FILING DATE:
CC        CLASSIFICATION:  436
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER:  US/08/187,319
CC        FILING DATE:  21-JAN-1994
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME:  Gogoris, Adda C
CC        REGISTRATION NUMBER:  29,714
CC        REFERENCE/DOCKET NUMBER:  4305/08701
```

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CC       TELECOMMUNICATION INFORMATION:
CC         TELEPHONE:  212-527-7700
CC         TELEFAX:  212-753-6237
CC         TELEX:  236687
CC     INFORMATION FOR SEQ ID NO:  18:
CC       SEQUENCE CHARACTERISTICS:
CC         LENGTH:  1341 amino acids
CC         TYPE:  amino acid
CC         TOPOLOGY:  linear
CC       MOLECULE TYPE:  protein
CC       ORIGINAL SOURCE:
CC         ORGANISM:  Homo sapiens
CC       IMMEDIATE SOURCE:
CC         CLONE:  COLLAGEN ALPHA 1 (I)
SQ   SEQUENCE   1341 AA; 128257 MW; 8816128 CN;

  Query Match           20.7%;  Score 757;  DB 13;  Length 1341;
  Best Local Similarity  45.1%;  Pred. No. 3.07e-49;
  Matches   134;  Conservative   47;  Mismatches 113;  Indels   3;  Gaps   2;

Db    326 EPGPVGVQGPPGPAGEEGKRGARGEPGPTGLPGPPGERGGPGSRGFPGADGVAGPKGPAG 385
          :||   : |  |::| :| :|| | ||: | ||||:|:|: |: |  || | :|| ||:|
Qy    140 NPGMFRIKGEQGAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPG 199

Db    386 ERGSPGPAGPKGSPGEAGRPGEAGLPGAKGLTGSPGSPGPDGKTGPPGPAGQDGRPGPPG 445
          :| :|  || |:|| |  | :|  | ||  |  |  || | ||  |  |: | ||: |
Qy    200 VKGEAGLQGPQGAPGKQGATGTPGPQGEKGSKGDGGLIGPKGETGTKGEKGDLGLPGSKG 259

Db    446 PPGARGQAGVMGFPGPKGAAGEPGKAGERGVPGPPGAVGPAGKDGEAGAQGPPGPAGPAG 505
            | :|:||||| ||: |: |: |::|  |::| ||| |  |  |  |  ||||: | :|
Qy    260 DRGMKGDAGVMGPPGAQGSKGDFGRPGPPGLAGFPGAKGDQGQPGLQGVPGPPGAVGHPG 319

Db    506 ERGEQGPAGSPGFQGLPGPAGPPGEAGKPGEQGVPGDLGAPGPSGARGERGFPGERGVQG 565
          :|| |:|||||  ||||::|:|| :|  |  |  | |   |  | :|| | ||  || |
Qy    320 AKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDTG-L--QGQQGRKGESGVPGPAGVKG 376

Db    566 PPGPAGPRGANGAPGNDGAKGDAGAPGAPGSQGAPGLQGMPGERGAAGLPGPKGDRG 622
            |::|  |::|||| | ||| |  |::| ||  |  |  || : :     ::||
Qy    377 EQGSPGLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENSVSVRIVGSSNRG 433


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Job time : 109 secs.
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